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OCS Information Report
MMS 84-0050

Atlantic Index

June 1983 - May 1984

U. S. DEPOSITORY
COPY

Outer Continental Shelf Oil and Gas Information Program
U.S. Department of the Interior/Minerals Management Service

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Minerals Management Service, MS 640
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Reston, VA 22091
(703) 860-7166

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Minerals Management Service
Atlantic OCS Regional Office
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(703) 285-2165

PUBLICATION STATUS OF OCSIP DOCUMENTS

Summary Reports

North Atlantic		Mid-Atlantic		South Atlantic	
Initial	7/81	Initial	11/79	Initial	7/80
Update	9/82	Update	6/80	Update	2/81
Update	2/83	Update	2/81	Update	8/81
Update	6/83	Update	8/81		
				Revision	5/82
		Revision	10/82	Update	2/83
		Revision	10/83	Revision	12/83
Gulf of Alaska		Arctic		Bering Sea	
Initial	9/80	Initial	10/81	Initial	9/83
		Update	5/82		
Revision	6/81	Revision	1/83		
		Update	9/83		
Revision	6/82				
Update	9/83				
Update	5/84				
Pacific		Gulf of Mexico			
Initial	5/80	Initial	9/80		
Revision	5/82	Revision	2/81		
Revision	12/82	Revision	6/82		
Revision	9/83	Revision	9/83		

Volumes

Pacific		Atlantic		Alaska		Gulf of Mexico	
Initial	10/80	Initial	11/80	Initial	11/80	Initial	11/80
Revision	8/81	Revision	4/81	Revision	11/81	Revision	8/82
Revision	5/83	Revision	5/83	Revision	6/83	Revision	7/83

NOTE: A revision of a document is made when a significant event, such as a lease sale, has occurred. An update of a document is made if no significant event has occurred; it is less detailed than a revision.

OCS Information Report
MMS 84-0050

Atlantic Index

June 1983 - May 1984

by Mary Ann Collignon

Prepared for the
Outer Continental Shelf Oil and Gas Information Program
Contract No. 14-12-0001-30042
U.S. Department of the Interior/Minerals Management Service

Rogers, Golden & Halpern, Inc.
11710 Bowman Green Drive
Reston, VA 22090

The following documents have been published for the Atlantic Planning Areas by the Minerals Management Service's OCS Information Program:

North Atlantic Summary Reports and Updates

- Outer Continental Shelf Oil and Gas Activities in the North Atlantic and their Onshore Impacts: A Summary Report, July 1981 (USGS Open-File Report 81-601), by Richard T. Dorrier, 65 p.

- Update 1, April 1982, Outer Continental Shelf Oil and Gas Activities in the North Atlantic and their Onshore Impacts: A Summary Report (USGS Open-File Report 82-16), by Jeffrey L. Deis and Elizabeth O. Porter, 42 p.

- North Atlantic Summary Report Update, February 1983, Outer Continental Shelf Oil and Gas Activities in the North Atlantic and their Onshore Impacts, by Jeffrey L. Deis, 33 p.

- North Atlantic Summary Report Update, June 1983, Outer Continental Shelf Oil and Gas Activities in the North Atlantic and their Onshore Impacts, by Alan S. Kurtz and Jeffrey L. Deis, 23 p.

Mid-Atlantic Summary Reports and Updates

- Outer Continental Shelf Oil and Gas Activities in the Mid-Atlantic and their Onshore Impacts: A Summary Report, November 1979 (USGS Open-File Report 80-17), by George S. Macpherson and Charles A. Bookman, 63 p.

- Update 1, June 30, 1980, Outer Continental Shelf Oil and Gas Activities in the Mid-Atlantic and their Onshore Impacts (Update to USGS Open-File Report 80-17), Jeffrey L. Deis, 18 p.

- Update 2, February 1981, Outer Continental Shelf Oil and Gas Activities in the Mid-Atlantic and their Onshore Impacts (USGS Open-File Report 81-603), by Richard T. Dorrier, 18 p.

- Update 3, August 1981, Outer Continental Shelf Oil and Gas Activities in the Mid-Atlantic and their Onshore Impacts (USGS Open-File Report 81-619), by Catherine A. McCord, 12 p.

- Mid-Atlantic Summary Report 2, October 1982, by Jeffrey L. Deis and Frederick N. Kurz, 63 p.

- Mid-Atlantic Summary Report, October 1983, by Alan S. Kurz and Jeffrey L. Deis, 44 p.

South Atlantic Summary Reports and Updates

- Outer Continental Shelf Oil and Gas Activities in the South Atlantic (U.S.) and their Onshore Impacts: A Summary Report, July 1980 (USGS Open-File Report 80-626), by Joanne Barnes Jackson, 62 p.

- Update 1, February 1981, Outer Continental Shelf Oil and Gas Activities in the South Atlantic (U.S.) and their Onshore Impacts: A Summary Report, July 1980 (USGS Open-File Report 81-25), by Kenneth J. Havran, 14 p.

- Update 2, August 1981, Outer Continental Shelf Oil and Gas Activities in the South Atlantic (U.S.) and their Onshore Impacts: A Summary Report, July 1980 (USGS Open-File Report 81-616), by Catherine A. McCord, 13 p.

- South Atlantic Summary Report 2, May 1982 (USGS Open-File Report 82-15), by Jeffrey L. Deis, Frederick N. Kurz, and Elizabeth O. Porter, 50 p.

- South Atlantic Summary Report Update, February 1983, by Kenneth J. Havran, 20 p.

- South Atlantic Summary Report, December 1983, by Kenneth J. Havran and Jeffrey D. Wiese, 34 p.

Atlantic Indexes

- Atlantic Index (January 1975 - November 1980) (USGS Open-File Report 80-1202), by Martha Alison Salzmann, 193 p.

- Atlantic Index (December 1980 - June 1981) (USGS Open-File Report 81-705), by Mary Ann Collignon, 173 p.

- Atlantic Index (June 1981 - May 1983), by Catherine A. McCord, 120 p.

Copies of these reports are available and may be obtained by contacting the Program at the address listed on the inside front cover or by completing the request card on the inside back cover.

READEX FICHE

The Outer Continental Shelf Oil and Gas Information Program was established in 1978, as mandated by the Outer Continental Shelf Lands Act, as amended (43 U.S.C. 1352). The amendments and subsequent regulations (30 CFR 252) require that the **Minerals Management Service** make available to affected States, local governments, and other interested parties, offshore-related data and information in the form of regional **summary reports** and **indexes.** These documents are available on request and are updated as significant changes in the information in a region occur.

Summary reports are designed to provide State, regional, and local planners with current information for use in anticipating and planning for onshore impacts of offshore oil- and gas-related activities. These reports are also used by industry representatives, private citizens, and Federal officials. Summarized information includes the most recent geological or geophysical data, resource and reserve estimates, the magnitude and timing of exploration, development, and production activities, transportation plans, and the nature and location of onshore facilities. Relevant Federal, State, and local studies and issues are also included. The information presented in the summary report is a synthesis of information obtained through field interviews with representatives of Federal, State, and local governments and the private and public sectors, coupled with analyses of relevant government and industry studies and publications. **Indexes** list all relevant, actual or proposed programs, plans, and reports used by the Federal Government in pre- and postlease offshore oil and gas activities. They also describe and explain the significant steps in the offshore leasing process. Furthermore, the indexes contain the only consolidated directory of Federal and State agencies involved in the offshore leasing process.

NOTE TO READERS

- Information provided in this document covers the period from June 1, 1983, through May 30, 1984.

- From March 1, 1983, through January 12, 1984, the Minerals Management Service was directed to replace the term "lease sale" with "lease offering" and to discontinue the use of lease sale numbers. However, those leasing actions based on tract selection procedures continued to be designated by lease sale numbers with the addition of area identifiers (Lease Sale 52, North Atlantic). Leasing actions based on areawide offerings (those resulting from the implementation of accelerated leasing and procedural streamlining in the July 1982 final 5-year Outer Continental Shelf oil-and-gas leasing schedule) were to be designated by area and date of the proposed action. The following list shows the leases affected by the terminology used during the time period mentioned above and in this document:

  -Mid-Atlantic Lease Offering (April 1983)
  -Central Gulf of Mexico Lease Offering (May 1983)
  -Western Gulf of Mexico Lease Offering (August 1983)
  -Eastern Gulf of Mexico Lease Offering (January 1983)
  -South Atlantic Lease Offering (July 1983)

  The last leasing action to use tract selection procedures was Lease Sale 73, off central California. Areawide offerings and the deletion of numerical identifiers began with the Mid-Atlantic Lease Offering (formerly Mid-Atlantic Lease Sale 76). However, beginning mid-January 1984, in compliance with new direction from the Secretary of the Interior, use of the term "sale" and sale numbers were reinstated, and such designations will be reflected in all future editions of the Index.

U.S. Customary - International System (SI) Conversion

Multiply U.S. customary units	by	to obtain SI metric units
feet	0.3048	meters
statute miles	1.609	kilometers
geographic (nautical) miles	1.852	kilometers
acres	0.4047	hectares

NOTE: Distances on the Federal Outer Continental Shelf and on land are measured in statute miles. Within the State-owned offshore limit, distances are measured in geographic miles.

Abbreviations and Acronyms

APD	-	Application for Permit to Drill (Form 9-331C)
BLM	-	Bureau of Land Management
CEIP	-	Coastal Energy Impact Program
CFR	-	Code of Federal Regulations
COST	-	Continental Offshore Stratigraphic Test
CZM	-	coastal zone management
DEIS	-	draft environmental impact statement
DOI	-	U.S. Department of the Interior
DOT	-	U.S. Department of Transportation
DST	-	Deep Stratigraphic Test
EA	-	environmental assessment
EIR	-	environmental impact report
EIS	-	environmental impact statement
EPA	-	Environmental Protection Agency
FEIS	-	final environmental impact statement
FONSI	-	finding of no significant impact
FWS	-	Fish and Wildlife Service
MMS	-	Minerals Management Service
NEPA	-	National Environmental Policy Act of 1969
NOAA	-	National Oceanic and Atmospheric Administration
NOI	-	notice of intent
NPDES	-	National Pollutant Discharge Elimination System
NPS	-	National Park Service
OCS	-	Outer Continental Shelf
OCSIP	-	Outer Continental Shelf Information Program
OPD	-	official protraction diagram
ORCA	-	Ocean Resources Coordination and Assessment
RTWG	-	Regional Technical Working Group
SID	-	Secretarial Issue Document
U.S.C.	-	United States Code
USGS	-	U.S. Geological Survey

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Introduction

As part of the multiple-use management of the resources of the U.S. Outer Continental Shelf (OCS), the Department of the Interior (DOI) conducts a leasing program for offshore oil-and-gas development. This program is intended to assist in achieving national economic and energy policy goals to ensure national security, to reduce dependence on foreign sources, and to maintain a favorable balance of payments in world trade. The Department of the Interior manages and regulates many of the activities that relate to leasing, exploration, development, and production of these offshore mineral resources. The authority to conduct these activities was delegated by Congress to the Secretary of the Interior under the Outer Continental Shelf Lands Act of 1953 (43 U.S.C. 1331-1356), as amended in 1978 (43 U.S.C. 1801-1866). Many related responsibilities were assigned to the Minerals Management Service (MMS) on January 19, 1982, when the Secretary of the Interior issued Secretarial Order 3071. This order separated the Conservation Division from the U.S. Geological Survey (USGS) to form MMS.

On May 10, 1982, the Secretary expanded the responsibilities of MMS by amending Order 3071 to consolidate into MMS all offshore leasing and resource management functions formerly delegated to the Bureau of Land Management. The consolidation is designed to provide more efficient management of the development of offshore resources. Under the original Order, MMS was supervised by a Minerals Management Board. On December 3, 1982, the Secretary signed Secretarial Order 3087, abolishing the Minerals Management Board and placing MMS under the supervision of the Assistant Secretary for Energy and Minerals Management.

In a more recent executive action, Secretary Clark signed Secretarial Order 3099. The effect of that order reorganized DOI by placing MMS under the supervision of the Assistant Secretary for Land and Minerals Management.

The Outer Continental Shelf Oil and Gas Information Program was created under section 26 of the OCS Lands Act, as amended in 1978 (43 U.S.C. 1352). On January 12, 1983, the Director of MMS placed the OCS Information Program under the direction of MMS's Office of Offshore Information Services. Authorities and operating procedures related to this program are detailed in the Code of Federal Regulations at 30 CFR 252.5 and 30 CFR 256.10(b) (43 CFR 3300 was redesignated as 30 CFR 256 on October 22, 1982).

The OCS Information Program prepares regional indexes that list relevant, actual or proposed programs, plans, reports, environmental impact statements (EIS), and other lease sale information. The indexes are provided on a regular basis to coastal States and, upon request, to local governments and the public.

In November 1980, the OCS Information Program issued an initial **Atlantic Index** (Salzmann, 1980, USGS Open-File Report 80-1202), which documented the period from January 1975 to November 1980. The second edition (Collignon, 1981, USGS Open-File

Report 81-705) supplemented the first edition and covered the period from December 1980 to July 1981. The third edition of the **Atlantic Index** updated information for the period from June 1981 through May 1983. This edition covers the period from June 1983 to May 1984.

The OCS Information Program also issues regional summary reports and updates, which provide current information about offshore oil-and-gas exploration, development, production, and related onshore activities to assist affected State and local governments in planning for potential impacts. (See p. ii for a list of documents published to date.)

CONTENT AND FORMAT OF THE INDEX

Chapter 1 describes the offshore leasing process from a national perspective and discusses the 5-year leasing program. Also presented is information on the July 1982 final 5-year OCS oil-and-gas leasing schedule and the tentative milestones schedule issued subsequent to the July 1982 schedule. **Chapter 2** chronicles the oil- and gas-related history of the Atlantic OCS Region from June 1983 to May 1984. **Chapter 3** describes the steps in the pre- and postlease processes. It also includes the new prelease procedures, such as the call for information and area identification. Relevant documents produced from June 1983 through May 1984 are listed by lease sale or offering for each step. **Chapter 4** reports the MMS programs that support the offshore leasing process. The **appendixes** include directories of Federal and State offshore-related contacts and other information pertinent to the OCS leasing process. Figures 4 (p. 10), 5 (p. 11), and 6 (p. 12) are maps showing locations of the three planning areas in the Atlantic OCS Region. These maps also show the official protraction diagram boundaries.

Except when otherwise noted, all documents listed within this Index are available for public inspection as of March 31, 1984, during hours of operation at the MMS/OCS regional office. A fee may be charged for reproducing copies of some materials. Also, prelease EISs can be reviewed at selected depository and other designated libraries. A partial listing of depository libraries can be found in appendix C to this Index. Prelease and postlease documents can be reviewed at the following MMS/OCS regional office:

Minerals Management Service
Atlantic OCS Regional Office
1951 Kidwell Drive, Suite 601
Vienna, VA 22180
(703) 285-2165

The Minerals Management Service uses three types of maps to locate OCS leasing units or blocks. In nearshore areas of Texas, Louisiana, and a small part of California, extensions of onshore leasing grids are used. These grids are the Texas (Lambert) Plane Coordinate System, South and South-Central Zone; the Louisiana (Lambert) Plane Coordinate System, South Zone; and the California (Lambert) Plane Coordinate System, Zone 6.

The remainder of the OCS is mapped on **official protraction diagrams** (OPD) using the Universal Transverse Mercator system. Each OPD covers an area of one degree latitude by two degrees longitude and is divided into blocks. Each leasing map or OPD bears a distinct alphanumeric number and, in most cases, the name of a nearby city, town, or prominent natural feature. Individual lease blocks, the basic leasing units, are referenced by OPD and block number.

Copies of OPDs discussed in this report cost $2 each and can be ordered through the following office:

Minerals Management Service
Atlantic OCS Regional Office
1951 Kidwell Drive, Suite 601
Vienna, VA 22180
(703) 285-2165

1. The OCS Leasing Process

The OCS Lands Act, as amended, provides the authority under which the Secretary of the Interior supervises offshore mineral leasing and operations. Regulations implementing the Act establish procedures through which the Secretary exercises these authorities. Title 30, parts 250, 251, 252, and 256 (formerly 43 CFR 3300) of the Code of Federal Regulations, covers the offshore activities administered by the Secretary. Within DOI, MMS has primary responsibility for management of offshore leasing and mineral operations. Numerous other State and Federal agencies participate throughout the process.

For the purposes of this Index, the OCS leasing process has been broken into a series of 16 steps, which are described in chapter 3. The prelease phase is outlined in figure 1, and the postlease phase is outlined in figure 2.

The purpose of the prelease phase of the offshore leasing process is to select and evaluate areas to be offered for lease within the broad geographical planning areas identified on the July 1982 final 5-year OCS oil-and-gas leasing schedule. During this phase, geological, geophysical, environmental, and economic data are collected, analyzed, and refined. The Minerals Management Service gathers and analyzes these data, develops technical information on potential mineral resources, geologic hazards, and other information pertinent to the leasing decisions, and sponsors biological and socioeconomic studies pertinent to impact assessments. In addition, other Federal and State agencies provide information appropriate to their areas of expertise, including social and economic data, especially during the preparation of the lease sale EIS. The Minerals Management Service is responsible for coordinating and analyzing all prelease data, for identifying new information needs, and for evaluating comments from State and local governments and the public.

The postlease phase of the OCS leasing process begins after leases have been issued by the MMS regional office. The Minerals Management Service is responsible for supervising and regulating exploration, development, and production activities on the leased blocks. In addition, MMS is responsible for evaluating exploration, development, and production plans; for approving drilling permit applications under those plans; and, along with other agencies, for granting pipeline permits for the transportation of oil and gas from producing wells.

OCS OIL-AND-GAS LEASING SCHEDULE

30 CFR 256 (subpart B)
(formerly 43 CFR 3310)

The Secretary of the Interior is responsible for the preparation, maintenance, and periodic revision of a leasing program. The program consists of a schedule of proposed lease sales, indicating the size, timing, and location of leasing activity that the Secretary determines will best meet national energy needs for a 5-year period following approval of the program. In accordance with section 18(e) of the amended OCS Lands Act, the Secretary reviews the leasing program at least once a year. He may revise and reapprove the program at any time. The program must be developed by considering a number of environmental, economic, and other factors. Further, the Secretary is required to consider the potential for environmental damage, the potential for the discovery of oil and gas, and the potential for adverse effects on the coastal zone.

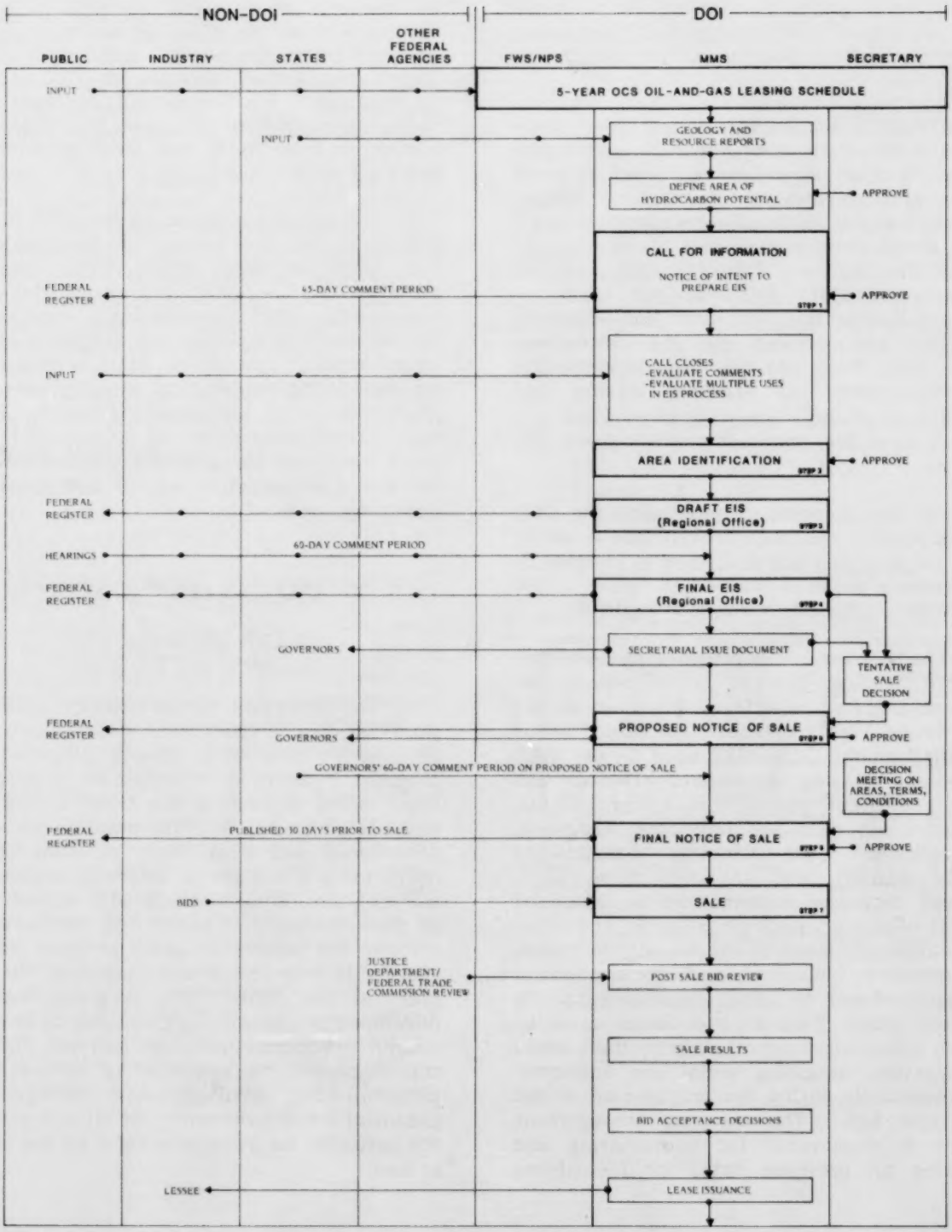


FIGURE 1.--Offshore leasing process--prelease phase.

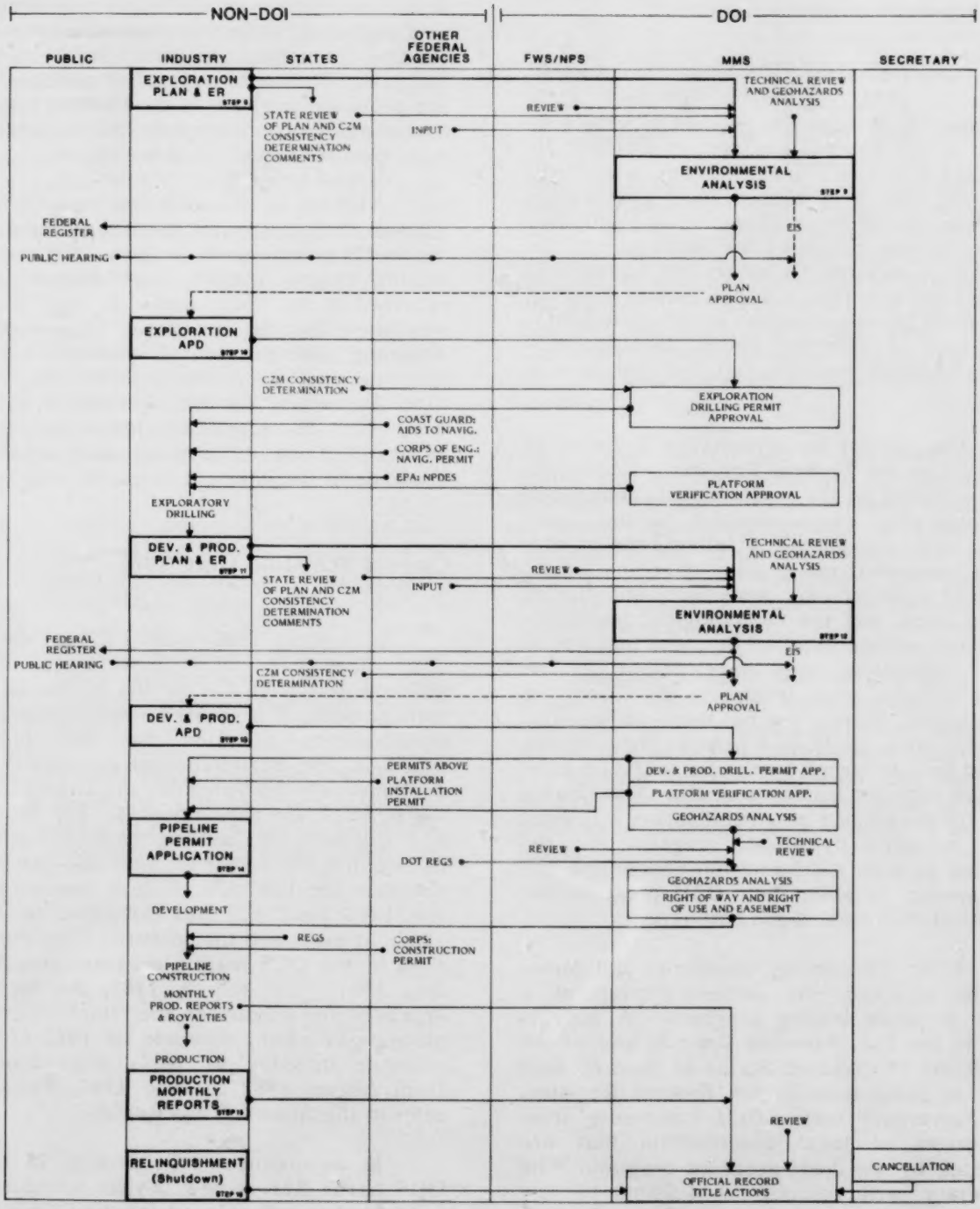


FIGURE 2.—Offshore leasing process--postlease phase.

Development of the Schedule

Pursuant to the OCS Lands Act Amendments of 1978, regulations (43 CFR 3310, subsequently 30 CFR 256 subpart B) were published in the **Federal Register** on October 26, 1978 (43 F.R. 50055), establishing procedures to be followed in developing the 5-year leasing schedule. During the preparation of a proposed 5-year leasing program, the Secretary of the Interior is required to invite and to consider suggestions and relevant information from all interested parties--Federal agencies, industry, Governors of affected States, local governments (through their States), and the general public.

The request for information is issued as a notice in the **Federal Register.** Comments are requested on the geographical, geological, and ecological characteristics of the broad areas under consideration, other uses of offshore resources and space, identification of areas of environmental sensitivity and marine productivity, and the technological feasibility of, time periods required for, and interest in OCS exploration and development. The Secretary also sends letters to the Governors of affected States, asking them to identify specific laws, goals, and policies they believe should be considered by the Secretary in connection with the leasing program. Also, States that are developing or administering a coastal zone management (CZM) program are requested to supply information concerning the relationship between their CZM program and potential OCS oil-and-gas activity.

After considering comments and information received, the Secretary prepares a draft proposed leasing program. A copy is sent to the U.S. Attorney General and to the Governors of affected States at least 60 days prior to publication in the **Federal Register.** The Governors may solicit comments from executives of local governments that are affected by the draft proposed program. The Secretary will respond in writing to any requests made by the Attorney General or the Governors for modification of the draft proposed program, if they are received at least 15 days before the proposed program is submitted to Congress. Public meetings also are held to solicit comments on the draft proposed program. Within 90 days after publication of the proposed program in the **Federal Register,** comments for recommendations may be submitted on any aspect of the program.

At least 60 days prior to the approval of a final leasing program, the Secretary submits to the President and Congress the proposed leasing program, along with any comments received on it. This submission must indicate why any specific recommendations of the Attorney General or of a State or local government were not accepted. Sixty days after Presidential and congressional notification, the Secretary of the Interior may approve the leasing program and publish it in the **Federal Register.**

Current Schedule (July 1982)

In January 1980, a final EIS on the June 1980 five-year OCS oil-and-gas leasing schedule was published by the Bureau of Land Management. It presented a description of the environments affected by the proposed schedule, the environmental consequences of implementing the schedule, and alternatives to the schedule and their impacts. The Secretary of the Interior revised the June 1980 schedule to establish the 5-year OCS oil-and-gas leasing schedule for 1982-87. A final supplement to the 1980 final EIS was published in March 1982. It examined the potential environmental risks of the OCS leasing program proposed in July 1981. On July 2, 1982, the Secretary approved and announced the "final 5-year OCS oil-and-gas leasing schedule for 1982-87." The schedule included 41 lease sales scheduled from August 1982 to June 1987, including 8 sales in the Atlantic OCS Region.

In accordance with section 18 of the OCS Lands Act, a new 5-year schedule currently is being developed for the OCS oil-and-gas leasing program. The new schedule will cover the period from mid-1986 to mid-1991.

The overlap occurring in 1986 and 1987 between the current schedule and the one being developed will provide a smooth transition from one program to the next.

A notice of request for comments on the development of the new 5-year leasing program was published in the **Federal Register** on July 11, 1984 (49 F.R. 28332-28336). The preparation process is expected to take approximately 2 years, with approval of the new program expected in mid-1986.

Various stages of analysis will be undertaken in developing the new schedule, and care is being taken by DOI to ensure that the schedule-preparation process follows all procedural steps set out in section 18 of the OCS Lands Act. In particular, DOI has emphasized three important elements:

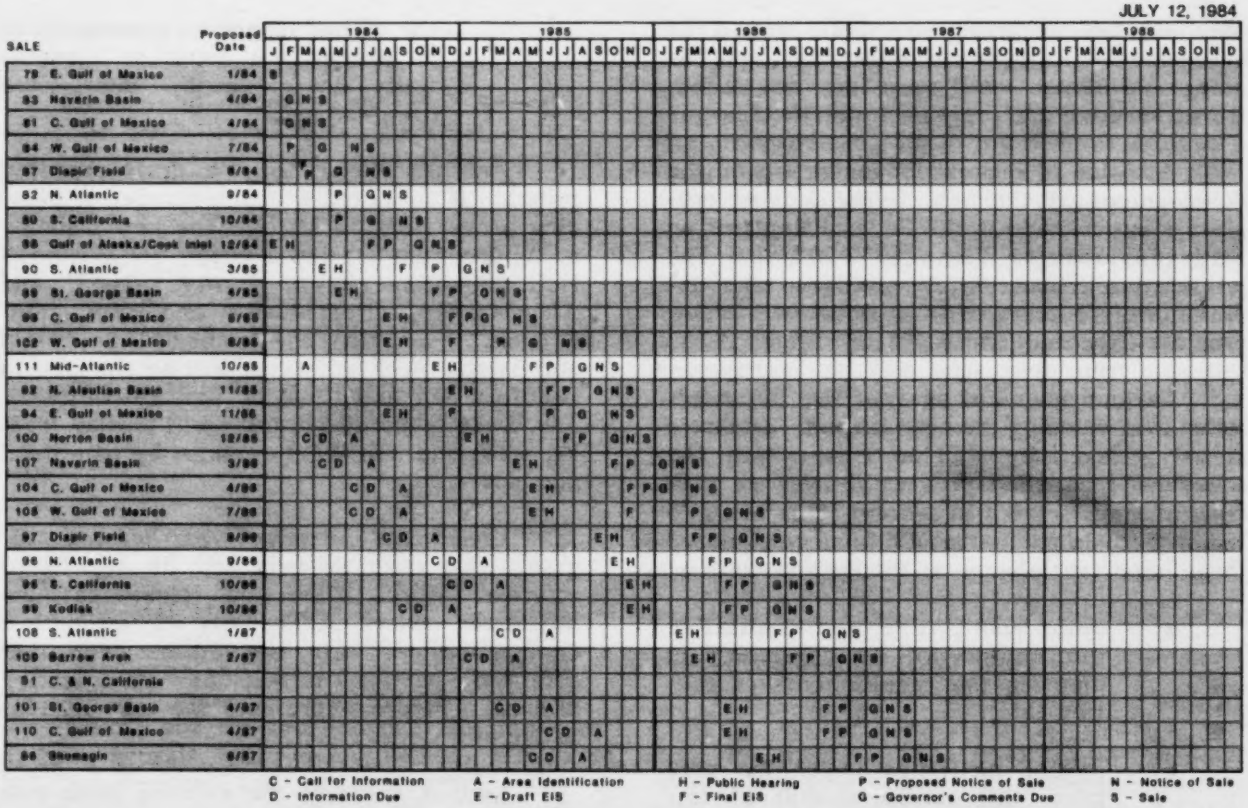
- both quantitative and qualitative information will be considered in meeting the requirements of section 18(a);
- leasing activities under the program will ensure receipt of fair market value for the lands leased; and
- a more flexible approach to leasing decisions will be considered for those planning areas in which the demand for additional leasing in the 1986-91 period is expected to be limited but could be substantially increased by unexpected events.

Another feature of the draft proposed program is an increase in the number of planning areas from 18 to 24. The new planning areas proposed are Hope Basin, St. Matthew-Hall, Aleutian Basin, Bowers Basin, and Aleutian Arc, all off Alaska, and Washington-Oregon. In addition, the names of Diapir Field and Barrow Arch in Alaska will be changed to Beaufort Sea and Chukchi Sea, respectively. The draft proposed program will display leasing steps and will refer to sales by name and number.

Under the current 5-year leasing program, two developments are of significant interest. First, MMS now issues tentative milestone charts periodically to strengthen communications with the States and other affected parties throughout the leasing process. Figure 3 presents the current tentative milestones chart.

Second, some of the existing lease sale preparation procedures were streamlined and clarified. The revisions reflecting administrative and technical changes were made final in a **Federal Register** notice on June 16, 1982 (47 F.R. 25967-25972). A description of these procedures is presented in chapter 3 of this Index.

JULY 12, 1984


SALE
Proposed Date
1984
1985
1986
1987
1988
79 E. Gulf of Mexico 1/84
53 Navarin Basin 4/84
81 C. Gulf of Mexico 4/84
94 W. Gulf of Mexico 7/84
97 Diapir Field 8/84
82 N. Atlantic 9/84
80 S. California 10/84
88 Gulf of Alaska/Cook Inlet 12/84
90 S. Atlantic 3/85
89 St. George Basin 4/85
99 C. Gulf of Mexico 6/85
102 W. Gulf of Mexico 8/85
111 Mid-Atlantic 10/85
92 N. Aleutian Basin 11/85
94 E. Gulf of Mexico 11/86
100 Norton Basin 12/86
107 Navarin Basin 3/88
104 C. Gulf of Mexico 4/88
105 W. Gulf of Mexico 7/88
97 Diapir Field 8/88
96 N. Atlantic 9/88
96 S. California 10/88
99 Kodiak 10/88
108 S. Atlantic 1/87
109 Barrow Arch 2/87
91 C. & N. California
101 St. George Basin 4/87
110 C. Gulf of Mexico 4/87
88 Shumagin 6/87
C - Call for Information
D - Information Due
A - Area Identification
E - Draft EIS
H - Public Hearing
F - Final EIS
P - Proposed Notice of Sale
G - Governor's Comments Due
N - Notice of Sale
S - Sale

NOTE: For questions regarding the timing of events leading up to a lease sale, contact Sandra Saim, Chief, Branch of Sales Activities, at (202) 343-5121, or Michele Tetley, Chief, Office of Offshore Information Services, at (202) 343-5314.

FIGURE 3.--Tentative milestones for 5-year oil-and-gas leasing schedule, July 12, 1984. (Unshaded areas indicate lease sales scheduled for the Atlantic OCS Region.)

2. Lease Sales

The Atlantic OCS is divided into three planning areas: the North Atlantic, which consists of waters off New England; the Mid-Atlantic, which lies off the coasts of New York, New Jersey, Delaware, Maryland, and Virginia to just south of the North Carolina border, specifically to lat. 35° N.; and the South Atlantic, which comprises Atlantic Ocean waters from North Carolina to the southern tip of Florida. Figures 4, 5, and 6 show the Atlantic OCS planning areas and locations of official protraction diagrams.

There have been nine Federal lease sales in the Atlantic OCS Region (see table 1), of which two were conducted as lease offerings (see **Note to Readers,** p. vi). Lease Sale 42 was in the North Atlantic Planning Area. Lease Sales 40, 49, and 59 were in the Mid-Atlantic. Lease Sales 43 and 56 were in the South Atlantic. Lease Sale RS-2 involved areas in both the Mid- and South Atlantic. The Atlantic lease offerings (see **Note to Readers,** p. vi) were the Mid-Atlantic Lease Offering (originally Sale 76) held on April 26, 1983, and the South Atlantic Lease Offering (originally Sale 78) held on July 26, 1983.

Six remaining Atlantic lease sales listed on DOI's current schedule have not been held: Lease Sales 52, 82, 90, 108, 111, and 96. Lease Sale 52, covering Georges Bank tracts, had been rescheduled for March 1983 from an October 1982 date. Because of a March 1983 court ruling, the lease sale was postponed indefinitely. On November 21, 1983, a **Federal Register** notice was issued canceling Lease Sale 52. Lease Sale 82 in the North Atlantic, tentatively scheduled for February 1984, has been rescheduled for September 1984. The proposed notice of sale for Lease Sale 82 was published in the **Federal Register** on May 14, 1984 (49 F.R. 20408). Other sales scheduled for the Atlantic OCS Region include Lease Sale 90 (March 1985) and Lease Sale 108 (January 1987) in the South Atlantic, Lease Sale 111 (October 1985) in the Mid-Atlantic, and Lease Sale 96 (September 1986) in the North Atlantic.

Figures 4, 5, and 6 show the locations of active leases as of June 15, 1984, in the North Atlantic, Mid-Atlantic, and South Atlantic, respectively.

A brief history of Lease Sales 40, 42, 43, 49, and 54 (eliminated) is presented in the first edition of the **Atlantic Index (January 1975 - November 1980),** USGS Open-File Report 80-1202, pp. 9-16. The second edition of the **Atlantic Index (December 1980 - June 1981),** USGS Open-File Report 81-705, pp. 17-18, includes a brief history of Lease Sale 56. The third edition of the **Atlantic Index (June 1981 - May 1983),** pp. 16-19, presents a brief history of Lease Sales 59 and RS-2 and the Mid-Atlantic Lease Offering (April 1983).

LEASE SALE 52 (CANCELED)

Lease Sale 52 was to have been the second lease sale in the North Atlantic Planning Area. It originally was scheduled for November 1980, but was twice postponed and rescheduled for March 29, 1983. The prelease administrative steps were completed prior to the sale date in March 1983.

On March 28, 1983, the day before the sale was to be held, a Federal district court judge issued a temporary preliminary injunction to block the sale. The ruling was issued after the Commonwealth of Massachusetts and the Conservation Law Foundation of New

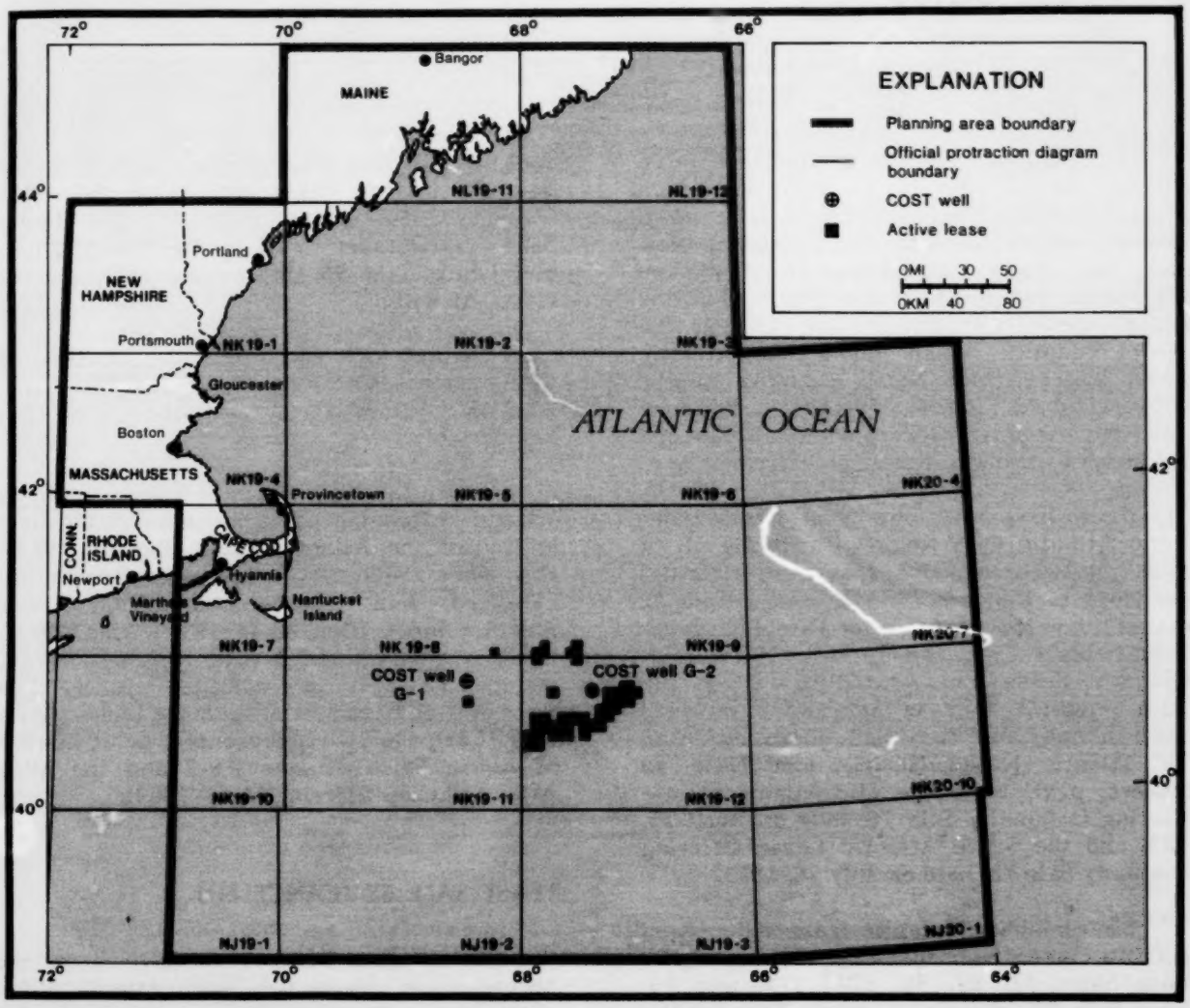


FIGURE 4.--North Atlantic Planning Area protraction diagrams and active leases, June 15, 1984.

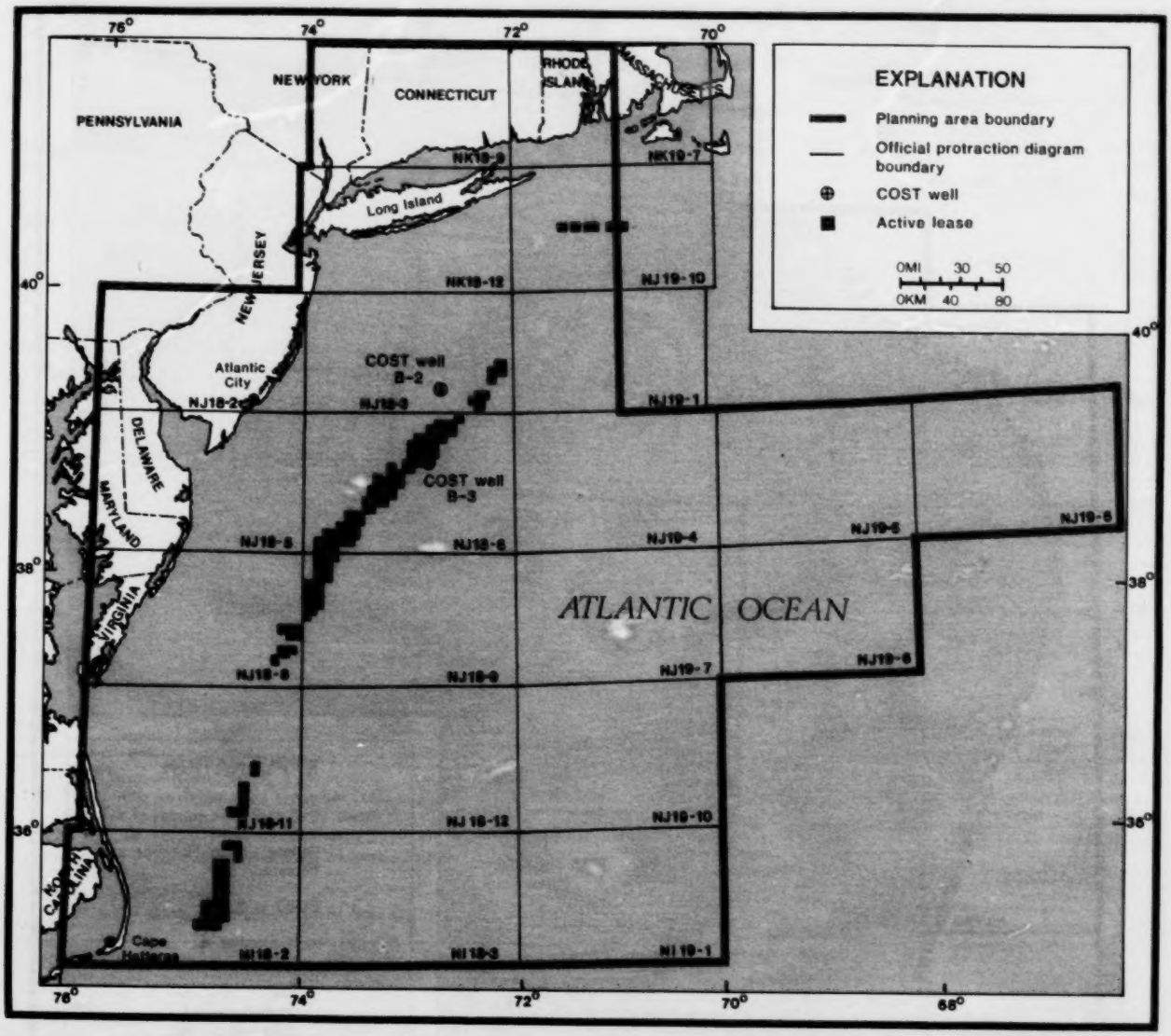


FIGURE 5.—Mid-Atlantic Planning Area protraction diagrams and active leases, June 15, 1984.

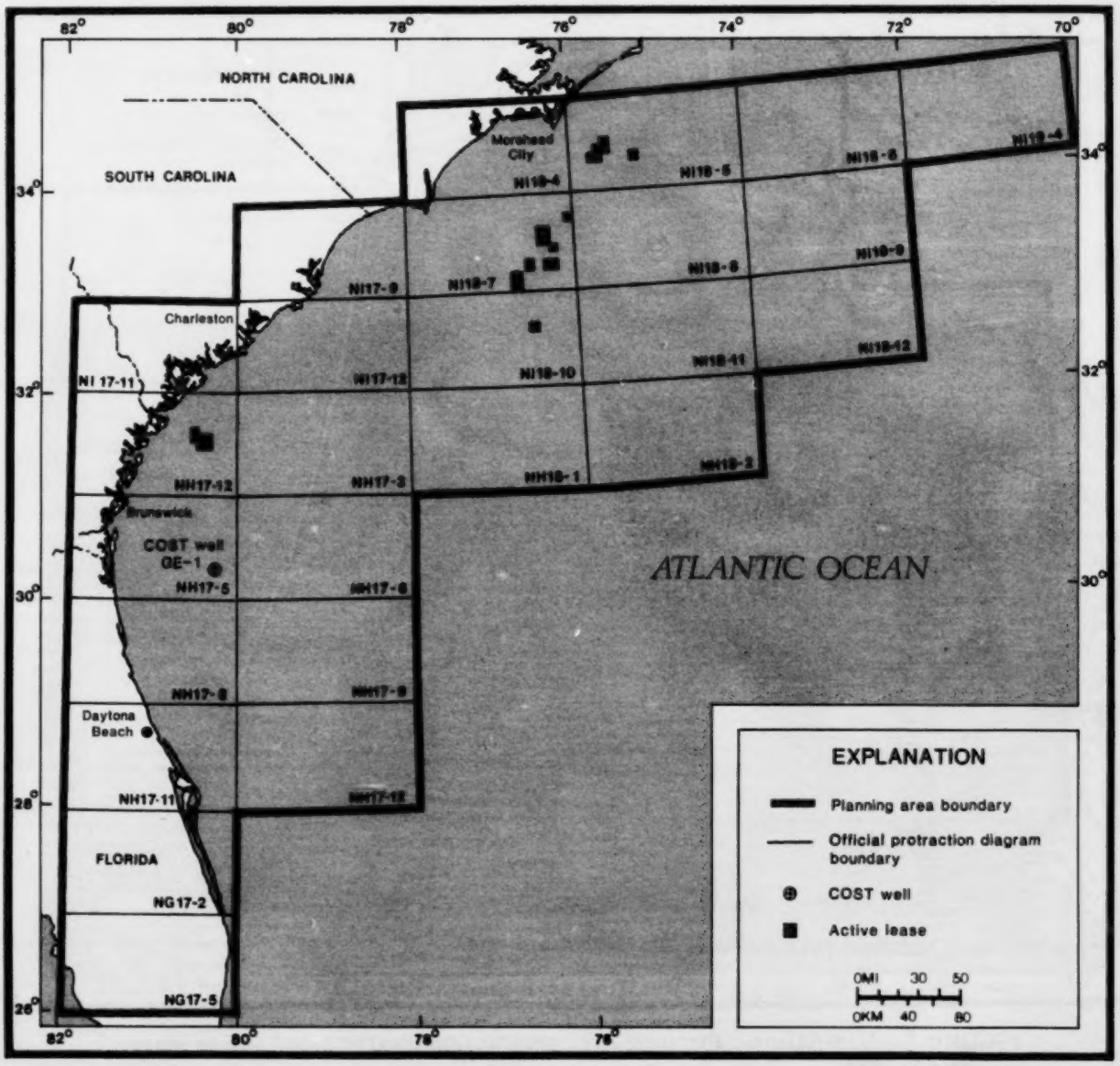


FIGURE 6.--South Atlantic Planning Area protraction diagrams and active leases, June 15, 1984.

TABLE 1.—Leasing history of the Atlantic OCS Region

Sale no.	Sale date	No. of blocks[1] offered	No. of blocks[1] bid on	No. of bids received	No. of blocks[1] leased	Acres leased	Total bonus leased blocks (dollars)	Active leases[2]
North Atlantic Planning Area								
42	12/18/79	116	116	189	63	358,671	816,516,546	46
52	Canceled	--	--	--	--	--	--	--
Mid-Atlantic Planning Area								
40	8/17/76	154	101	410	93	529,466	1,127,936,425	0
49	2/28/79	109	44	74	39	222,034	40,001,631	0
59	12/8/81	253	98	240	51	290,352	323,659,000	51
RS-2[a]	8/5/82	155	20	21	19	108,170	3,920,828	19
76[b]	4/26/83	4,050	40	53	37	210,641	68,410,240	37
South Atlantic Planning Area								
43	3/28/78	224	57	99	43	244,807	100,743,443	0
54	Eliminated	--	--	--	--	--	--	--
56[a]	8/4/81	285	54	120	47	267,571	342,766,174	47
RS-2	8/5/82	232	8	8	7	39,851	1,146,150	7
78 [a,b]	7/26/83	3,382	11	12	11	62,625	13,362,040	11
Total	--	9,160	506	1,226	410	2,334,188	2,838,462,427	218

[1]Beginning with the first areawide lease offering of May 1983, the administrative units offered for leasing are referred to as blocks.
[2]Active leases as of March 31, 1984.
[a]As of March 19, 1982, the boundary between the Mid- and South Atlantic Planning Areas changed from lat. 36° 31' N. to lat. 35° 00' N., resulting in 34 leases being shifted from the South to the Mid-Atlantic Planning Area.
[b]Offerings.
-- = Not applicable.
SOURCE: MMS, Atlantic OCS Regional Office.

England sued to stop the sale. The Department of Justice appealed the district court ruling.

On September 16, 1983, the district court's preliminary injunction was affirmed by the U.S. Court of Appeals for the First Circuit. Concluding that additional lengthy procedures would be required before Lease Sale 52 could be held, MMS issued a notice in the **Federal Register** (48 F.R. 52649-52650) on November 21, 1983, canceling the sale. For more details, refer to the Atlantic Index (June 1981 - May 1983).

SOUTH ATLANTIC LEASE OFFERING (JULY 1983) (originally Sale 78)

The South Atlantic Lease Offering, held on July 26, 1983, was the first areawide offering held in the South Atlantic Planning Area. It was originally scheduled on the leasing schedule as Sale 78 (see **Notes to Readers**, p. vi). The call for information was issued on March 31, 1981, and covered 53.6 million acres off the coasts of Virginia, North Carolina, South Carolina, Georgia, and Florida.

The draft environmental impact statement (DEIS) for this lease offering was issued in October 1982. Public hearings were held in December 1982, and the final environmental impact statement (FEIS) was issued in March 1983.

The lease offering originally consisted of 5,718 blocks covering 32.9 million acres. However, 2,136 blocks were deferred at the request of North Carolina, Florida, the Department of Defense, and the National Aeronautics and Space Administration. The lease offering as held included 3,582 blocks covering 20.2 million acres located 24 to 210 miles offshore in water depths ranging from 40 to 14,765 feet. Twelve bids were received on 11 blocks, and leases with 10-year primary terms were awarded for all 11 blocks.

PROPOSED NORTH ATLANTIC LEASE SALE 82 (SEPTEMBER 1984)

The third lease sale in the North Atlantic Planning Area was originally scheduled for February 1984. That sale, Lease Sale 82, has been rescheduled for September 1984. The call for information was issued on November 23, 1982 (47 F.R. 52786-52789). The call area included the entire North Atlantic Planning Area, covering about 60 million acres located 3 to 350 miles offshore in water depths ranging from 30 to 16,500 feet. A DEIS was issued on June 22, 1983, and the FEIS was issued on November 11, 1983. In preparing the FEIS for proposed North Atlantic Lease Sale 82, MMS took into account the opinions of both the district court and the court of appeals that pertained to the earlier canceled Lease Sale 52.

The proposed notice of sale for Lease Sale 82 was issued on May 14, 1984 (49 F.R. 20408-20425), and included approximately 14 million acres of the 25 million acres, less than 60 percent of the acreage studied in the FEIS. Many of the 2,470 full and partial blocks to be offered are covered by stipulations and cautionary clauses requested by affected States, the Marine Mammal Commission, the National Oceanic and Atmospheric Administration, and the Department of Defense. Sale conditions include provisions to protect whales and other marine mammals, to ensure proper disposal of drilling muds and cuttings, to train offshore operators to avoid conflicts with commerical fishermen, and a new provision to protect marine canyons.

Deleted from the proposed sale were more than 1,500 full or partial blocks covered by congressional moratoria attached to the Fiscal 1984 Appropriations Act for DOI; 330 additional blocks situated primarily in fishing areas, including portions of the Northeast Peak scallop grounds; and 151 blocks in submarine transit lanes identified by the Department of Defense.

PROPOSED SOUTH ATLANTIC LEASE SALE 90 (MARCH 1985)

The next South Atlantic lease sale is scheduled for March 1985. The call for information was issued on May 26, 1983 (48 F.R. 23723-23725). On March 30, 1984, a request for supplemental information for Lease Sale 90 was issued in the **Federal Register** seeking new or additional information on the current level of industry interest in leasing and exploring within the call area. On August 6, 1983, 7,245 blocks totaling 40.8 million acres were identified for analysis in the EIS preparation process. The DEIS was released in April 1984. Public hearings on the DEIS were held in June 1984.

PROPOSED MID-ATLANTIC LEASE SALE 111 (OCTOBER 1985)

The next Mid-Atlantic lease sale is scheduled for October 1985. A call for information was issued on October 20, 1983 (48 F.R. 48721-48723).

Area identification for proposed Lease Sale 111 was announced in March 1984. Six companies responded to the call for information; five companies submitted indications of interest in areas for leasing. The five companies nominated 7,134 blocks totaling 39.4 million acres. From that total, DOI identified 3,560 blocks totaling 20.3 million acres for further analysis in the prelease process. Specifically deleted from the area identified were blocks containing marine canyons and blocks requested for deletion by the Department of Defense.

PROPOSED NORTH ATLANTIC LEASE SALE 96 (SEPTEMBER 1986)

A lease sale is tentatively scheduled for the North Atlantic Planning Area in September 1986. No prelease steps have occurred.

PROPOSED SOUTH ATLANTIC LEASE SALE 108 (JANUARY 1987)

A lease sale is tentatively scheduled for the South Atlantic Planning Area for January 1987. No prelease steps have occurred thus far.

3. Leasing Processes

STREAMLINING OF EXISTING OCS PROCEDURES

The July 1982 final 5-year OCS oil-and-gas leasing schedule is based on a streamlined leasing process. The streamlining of prelease procedures is designed to expedite leasing, exploration, and development of OCS oil and gas resources. This is achieved by making more high-potential, hydrocarbon-bearing acreage available earlier and more frequently than under past leasing schedules, without sacrificing the essential elements of environmental analysis or State consultation and comment opportunities, while still ensuring fair return to the Government.

Prelease procedural changes basically fall into two categories: (1) changes necessitated by the decision to open entire planning areas for consideration for leasing and (2) changes that shorten the overall period of time required for the prelease activities by conducting some procedures, such as the issuance of the FEIS and the proposed notice of lease sale, in the same month. The major steps under the streamlined prelease process are the (1) call for information, which corresponds to the call for nominations and comments in the previous process; (2) area identification, which corresponds to tract selection in the previous process; (3) DEIS; (4) FEIS; (5) proposed notice of sale; and (6) final notice of sale. The time required for completion of the formal prelease steps has been reduced. Opportunities for public participation are retained in the current process, and all phases of environmental impact analysis will still be conducted but initiated earlier.

Postlease procedural changes include extending the decision period for bid acceptance from 60 to 90 days and formalizing the process for reconsidering requests from unsuccessful bidders.

DOCUMENTS AND DATA FOR LEASE SALES

This chapter lists documents and information relevant to the oil and gas lease sales held or scheduled in the Atlantic OCS Region for the period from June 1983 through May 1984.

Regulations in effect prior to the OCS Lands Act Amendments of 1978 required comparatively fewer, less detailed documents than current regulations. The following changes in regulations are particularly important in accounting for differences in the documentation presented in this chapter from that presented in previous editions of the Index.

- Exploration plans and development and production plans (30 CFR 250.34-1 and 250.34-2) have become increasingly detailed. Plans submitted prior to 1979 may not have contained all the information listed in this chapter, and they were not always accompanied by environmental reports. In addition, regulations requiring that plans be submitted for all exploration or development and production activities were not made final until December 1979.

- Subsection 25(e) of the OCS Lands Act Amendments provides that, at least once, the Secretary shall declare the approval of a development and production plan in any area or region (as defined by the Secretary) of the OCS, other than the Gulf of Mexico, to be a major Federal action. Under the provisions of the National Environmental Policy Act of 1969, an EIS must be prepared for any major Federal action.

- Executive Order 12291, issued in February 1981, necessitated certain revisions in the method of promulgating Federal regulations. This order directed Federal agencies to make regulations as simple and as clear as possible. Further, Executive Order 12291 directed that the net benefit to be accrued from Federal regulations be weighed against the net cost to minimize the regulatory burden on society.

It should be noted that only responses from Federal, State, and local government agencies are listed under Step 1 - Call for Information. Responses from special interest groups and individuals are available for review at MMS's Atlantic OCS Regional Office.

Copies of available documents may be obtained for a fee by contacting MMS's Atlantic OCS Regional Office. The address and telephone number are listed on the inside front cover of this Index.

PRECALL ACTIVITIES

Proposed lease sales have been identified in the current 5-year leasing program for 8 planning areas off the conterminous coastline of the United States and for 10 areas off the coast of Alaska. Approximately 8 months prior to the call for information, MMS prepares a geology report covering the entire planning area. Formerly called a resource report, the geology report has a different scope. The resource report contained both a geology report and resource estimates. However, resource estimates are now submitted later in the leasing process. The analysis and refinement of mineral resource data continue throughout the offshore leasing process, and, as data are updated, resource estimates may change. The geology report includes the locations of areas of hydrocarbon potential in the planning area and a description of the environmental geology of the area, including a regional characterization of geologic hazards.

An environmental analysis is then made from information in the geology reports and from information developed by MMS's Environmental Studies Program, the Offshore Resource Evaluation Program, and other sources.

Information pertaining to resource or geology and other reports submitted under the June 1980 schedule for Lease Sales 40, 42, 43, 49, 52, 56, and 59 can be found in the first edition of the Atlantic Index (January 1975 - November 1980). Resource reports received for Lease Sales 76 and 78 are listed in the second edition of the Index (December 1980 - June 1981). Geology reports prepared during the periods covered by the third edition (June 1981 - May 1983) and by this Index are listed below.

LEASE SALE 82 (SEPTEMBER 1984)

Geology Report

Schlee, J.S. (compiler), Summary report of the sediments, structural framework, petroleum potential, and environmental conditions of the United States middle and northern continental margin in the area of proposed oil and gas lease sale number 82: Reston, Va., 1981, U.S. Geological Survey Open-File Report 81-1353, 121 p.

LEASE SALE 90 (MARCH 1985)

Geology Report

Dillon, W.P. (ed.), Geology report for the proposed oil and gas lease sale number 90; continental margin off the southeastern United States: Reston, Va., 1983, U.S. Geological Survey Open-File Report 83-186, 125 p.

LEASE SALE 111 (OCTOBER 1985)

Geology Report

Carpenter, George, and Amato, Roger, Geology report; proposed mid-Atlantic OCS oil and gas lease sale 111: Vienna, Va., 1984, OCS Report MMS 84-0022, 22 p.

PRELEASE PHASE

STEP 1. CALL FOR INFORMATION

30 CFR 256.23-25 subpart D
(formerly 43 CFR 3313.1-2)

The call for information replaces the call for nominations and comments step used under the June 1980 schedule and is issued for an entire planning area. An indication of areas identified by MMS as having hydrocarbon potential is included in the call. The approved call for information is published in the **Federal Register.** The purpose of the call for information is to invite comments from potential bidders and concerned parties on areas that they believe to have a favorable hydrocarbon potential and in which they may have an interest. Additionally, commenters are asked to identify areas that should receive special review and analysis because of geologic and shallow hazards, multiple-use conflicts, or socioeconomic, biological, or other environmental considerations. A call for information does not commit DOI to a particular lease sale.

A listing of the official protraction diagrams used by MMS for the call area is included in the call. Copies of the protraction diagrams may be obtained for a fee from MMS's Atlantic OCS Regional Office (see inside front cover for address). All interested parties can respond to the call, including Federal and State agencies, local governments, industry, special interest groups, and the public. Comments are sent to the MMS regional offices, with copies to the Chief, Offshore Leasing Management Division of MMS in Reston, Va. Respondents are allowed at least 45 days to submit comments.

A notice of intent (NOI) to prepare an EIS is also published. It announces the initiation of EIS "scoping" and invites public assistance in determining the significant issues, including coastal zone consistency issues, and alternatives to be analyzed in the EIS. A concerted effort has been reinstituted by the Federal Government to identify State concerns and issues early in the leasing process through "scoping" meetings.

Comments are available for public examination at the MMS regional offices. However, specific areas of interest identified by industry are considered to be proprietary and cannot be released.

The previous editions of the Atlantic Index contain information and data on the calls for nominations and comments. Calls for nominations for Lease Sales 40, 42, 43, 49, 52, 54, 56, and 59 were discussed in the Atlantic Index (January 1975 - November 1980). The call for information for Lease Sale 78 was discussed in the Atlantic Index (December 1980 - June 1981). Information on the calls for nominations and comments for the Mid-Atlantic (April 1983) and South Atlantic (July 1983) Lease Offerings, and the calls for information for the proposed Lease Sales 82 (September 1984) and 90 (March 1985) were included in the third edition of the Index (June 1981 - May 1983), referenced there as the North Atlantic (February 1984) and South Atlantic (January 1985) Lease Offerings. Data on the calls for information for Lease Sales 90 and 111 are presented on the next page.

LEASE SALE 90 (MARCH 1985)

Federal Register Notice

49 F.R. 12765-12766, March 30, 1984. (Requested supplemental information.)

News Release

Request for Supplemental Information, April 13, 1984. Available from MMS.

LEASE SALE 111 (OCTOBER 1985)

Federal Register Notice

48 F.R. 48721-48723, October 20, 1983. (Call for Information.)

News Release

Area to be Studied in Mid-Atlantic EIS Announced, March 30, 1984; and Public Meetings on EIS, April 11, 1984. Both available from MMS.

STEP 2. AREA IDENTIFICATION

30 CFR 256.26-28 subpart E
(formerly 43 CFR 3314.1-2)

Area identification replaces the tentative tract-selection process step used under the June 1980 schedule. Area identification formally announces the part of the planning area on which the EIS analysis will be focused and that will be considered for leasing. Although parts may later be deleted from the lease sale, blocks that have not been analyzed through an EIS process may not be added after the environmental analysis process has been completed.

After the call for information process closes, the MMS regional office evaluates areas receiving specific interest and comments in response to the call, the past leasing history of the area, environmental resources, multiple-use conflicts, and hydrocarbon potential. In accordance with section 7(a) of the Endangered Species Act, MMS requests joint consultation from the Director, Fish and Wildlife Service, and from the Assistant Administrator, National Marine Fisheries Service, concerning biological resources. The Department of Defense comments on the potential for military conflicts. The Coast Guard also is consulted about other multiple-use conflicts. Also, the members of the Regional Technical Working Group may make recommendations on the basis of their knowledge of the call area.

After considering the area of hydrocarbon potential, responses to the call, and other relevant information, MMS recommends to the Assistant Secretary of the Interior for Land and Minerals Management areas identified for environmental analysis and for consideration for leasing. The Minerals Management Service may include areas in the recommendation on which respondents had not expressed an interest during the call for information.

Data on tentative tract selection and State notification for Lease Sales 40, 42, 43, 49, 52, 54, 56, and 59 can be found in the first edition of the Atlantic Index (January 1975 - November 1980), USGS Open-File Report 80-1202. No data on area identification were included in the second edition of the Atlantic Index (December 1980 - June 1981). No formal notice generally is issued for the area identification because it is an internal process. A news release dated March 30, 1984, announced the area to be studied in an EIS for Lease Sale 111 in the Mid-Atlantic Planning Area.

STEP 3. DRAFT ENVIRONMENTAL IMPACT STATEMENT

40 CFR 1500
30 CFR 256.26
(formerly 43 CFR 3314.1)

The preparation of an EIS is required by the National Environmental Policy Act (NEPA) of 1969 (42 U.S.C. 4321) for all major Federal actions significantly affecting the quality of the human environment. The Council on Environmental Quality regulations require that there be an early and open process for determining the scope of issues, alternatives, and environmental effects to be addressed by the EIS. All interested parties are invited to participate in the process, which begins early in lease sale planning and is formally initiated with publication in the **Federal Register** of the NOI to prepare the EIS. The Minerals Management Service then requests comments from all concerned parties to establish the scope of the EIS. In addition, from informal consultations among the MMS regional office, Federal, State, and local agencies, and special interest groups, other significant issues pertinent to the proposed lease sale are identified.

An EIS is prepared according to NEPA requirements for the entire planning area in which an initial lease sale is being considered, except for any part determined to be unavailable for oil and gas activities. An EIS also is prepared for subsequent sales in the planning area, updating the initial EIS with any information that has since been made available. Issues raised during the process of determining the scope of the environmental analysis are discussed in the DEIS prepared by the MMS regional office. The DEIS also describes the existing environment, the proposed action and its alternatives, resource estimates, and probable environmental risks. Mitigating measures (such as lease stipulations), unavoidable adverse impacts, cumulative effects, and irreversible and irretrievable commitments of resources are analyzed, along with alternatives to the proposed action. The DEIS is published approximately a year after the call for information. After the DEIS is published, public hearings are held to receive the comments of interested parties. The locations and dates of public hearings and the availability of the DEIS are announced in a fact sheet and in the **Federal Register.** A 60-day comment period is required following its notice in the **Federal Register.**

Information on the DEISs prepared for Lease Sales 40, 42, 43, 49, 56, and 59 can be found in the first edition of the Atlantic Index (January 1975 - November 1980), USGS Open-File Report 80-1202. Additional information for Lease Sale 56 and 59 can be found in the second edition of the Atlantic Index (December 1980 - June 1981). Information on Lease Sale 52 and the Mid-Atlantic (April 1983), South Atlantic (July 1983), and North Atlantic (February 1984) Lease Offerings is listed in the third edition of the Atlantic Index (June 1981 - May 1983). Information on the DEIS for proposed Lease Sales 82 and 90 is presented below.

LEASE SALE 82 (SEPTEMBER 1984)

DEIS

Draft environmental impact statement proposed North Atlantic lease offering, February 1984, 1 vol. Available from MMS, Atlantic OCS Regional Office.

Federal Register Notice

48 F.R. 28557, June 22, 1983.

LEASE SALE 90 (MARCH 1985)

DEIS

Draft environmental impact statement relating to proposed South Atlantic Lease Sale 90 (March 1985), 1 vol. Available from MMS, Atlantic OCS Regional Office.

Federal Register Notice

49 F.R. 17823, April 25, 1984.

LEASE SALE 82 (SEPTEMBER 1984)

FEIS

Final environmental impact statement proposed North Atlantic lease offering, April 1984, 1 vol. with index and visuals. Available from MMS, Atlantic OCS Regional Office.

Federal Register Notice

48 F.R. 52776, November 11, 1983.

STEP 4. FINAL ENVIRONMENTAL IMPACT STATEMENT

40 CFR 1500 - 1508

After oral and written comments are received, in response to the publication of the DEIS, and evaluated, an FEIS is prepared to incorporate new findings, substantive comments and responses thereto, and any additional information acquired during the review period. The FEIS is filed with the Environmental Protection Agency, submitted to numerous other Federal agencies, and made available to the public. Following publication of the FEIS, the proposed notice of sale is issued.

The first edition of the Atlantic Index (January 1975 - November 1980) contains information and data on the FEISs for Lease Sales 40, 42, 43, 49, 56, and 59. Additional information on the FEISs for Lease Sales 56 and 59 was presented in the second edition of the Atlantic Index (December 1980 - June 1981). Information for Lease Sale 52 and the Mid-Atlantic (April 1983) and South Atlantic (July 1983) Lease Offerings is listed in the third edition of the Atlantic Index (June 1981 - May 1983). Data on the DEIS for proposed Lease Sale 82 follow.

STEP 5. PROPOSED NOTICE OF SALE

30 CFR 256.29-31
(formerly 43 CFR 3315.1-2)

The proposed notice of sale is a document that informs the public of the proposed terms and conditions of an upcoming offshore lease sale. Prior to the proposed notice, MMS prepares a Secretarial Issue Document (SID) to assist the Assistant Secretary for Land and Minerals Management in the decision on whether and how to proceed with a lease sale. The SID presents and analyzes the issues and options for the proposed lease sale. Bidding systems, mitigating measures, block deferrals, and lease sale delay or cancellation are discussed. The SID is an internal document, not available until a decision by the Assistant Secretary has been made. After the decision, the SID is sent to the Governors of affected States and is then available to others for review. The SID and FEIS provide the Assistant Secretary with information necessary to make decisions on conditions and terms of the proposed lease sale.

Simultaneously with the preparation of the SID, the Director of MMS prepares a proposed notice of lease sale that includes (1) either a listing of blocks being considered for

lease or a listing of blocks not available for lease and (2) information on the lease sale procedures and methods of bidding. The proposed notice of lease sale also includes proposed lease stipulations and conditions to mitigate the potential adverse effects of the proposed action. These lease stipulations are prepared in consultation with the Fish and Wildlife Service, the National Park Service, and other Federal agencies, as appropriate, at the regional and headquarters levels.

The proposed notice is sent to the Governors of affected coastal States and published in the **Federal Register.** The Governor of any affected State and, through the Governor, any affected local governments are asked for recommendations on the size, timing, or location of the proposed lease sale. A 60-day comment period follows the request to the Governors on the proposed notice. The Secretary of the Interior will make a written reply to each Governor discussing the reasons for the determination to accept or reject the Governor's recommendations.

The first edition of the Atlantic Index (January 1975 - November 1980) contains information on the SIDs for Lease Sales 40, 42, 43, and 49 and proposed notices of sale for Lease Sales 40, 42, 43, and 49. The second edition of the Atlantic Index (December 1980 - June 1981) presents information on the SID for Lease Sale 56. The third edition of the Atlantic Index does not include any SID data, but lists information on proposed notices of sale or lease offering for Lease Sales 56, RS-2, and 52 and for the Mid-Atlantic (April 1983) and South Atlantic (July 1983) Lease Offerings. Information on the cancellation of Lease Sale 52 and the change of the sale date for Lease Sale 82 is presented below.

LEASE SALE 52 (CANCELED)

Federal Register Notice

48 F.R. 52649-52650, November 21, 1983. (Cancellation of lease sale.)

LEASE SALE 82 (SEPTEMBER 1984)

Federal Register Notice

48 F.R. 55187, December 9, 1983. (Change of lease sale date to May 1984.)

49 F.R. 20407-20425, May 14, 1984. (Proposed Notice of Sale.)

News Release

Interior Announces Proposed Notice for Sale 82 (North Atlantic), May 9, 1984. Available from MMS.

STEP 6. NOTICE OF SALE

30 CFR 256.32
(formerly 43 CFR 3315.4)

Upon approval by the Secretary of the Interior, the Director of MMS publishes the final notice of lease sale in the **Federal Register** at least 30 days prior to the date on which bids will be opened. The final notice of sale contains a listing of the blocks to be offered for lease, the methods of bidding, lease stipulations, and all terms and conditions of the sale. The place and time at which sealed bids will be filed and opened are specified. The notice of sale is accompanied by a notice identifying the selection of the bidding systems and the designated areas under each bidding system.

The first edition of the Atlantic Index (January 1975 - November 1980) contains data on notices of sale for Lease Sales 40, 42, 43, and 49. No notices of sale data are included in the second edition (December 1980 - June 1981). Information on notices for Lease Sales 52, 59, and RS-2 and for the Mid-Atlantic Lease Offering (April 1983) can be found in the third edition of the Index (June 1981 - May 1983). Notice of sale data for the South Atlantic Lease Offering (July 1983) are presented on the next page.

SOUTH ATLANTIC LEASE OFFERING (JULY 1983)

Federal Register Notice

48 F.R. 28946-28960, June 23, 1983. (Notice of Lease Offering.)

News Release

Statement by the Secretary, May 13, 1983. Available from MMS.

STEP 7. SALE

30 CFR 256.35-50
(formerly 43 CFR 3315.4)

Under the OCS Lands Act, as amended in 1978, the Secretary of the Interior is instructed to employ competitive bidding procedures for offshore oil and gas lease sales. Separate sealed bids are submitted for each block bid upon. The purpose of this lease sale step is to record and publicly announce the bids received; no bids are rejected or accepted at the offering. After the bid opening, the MMS regional office conducts a review of the bids to determine which is the highest valid bid for each block. Technical and economic information gathered prior to the lease sale by MMS for the purpose of evaluating the potential mineral resource value of the blocks is considered during this review. The evaluation and acceptance or rejection of the bids on a case-by-case basis must, by regulation, occur within 90 days after the lease sale is held. Pertinent information is sent to the Department of Justice's Antitrust Division for review. The Justice Department's recommendations are considered by the MMS Regional Manager in the final decision on which bids will be accepted or rejected.

Leases are awarded to the highest responsible qualified bidder if fair market value has been achieved for an initial term of 5 years or for an initial term of 10 years, where it is determined that the longer period is necessary to encourage exploration and development because of excessive water depth or other unusually adverse conditions. The exact term of the lease is specified in the notice of lease sale. The lease may be extended beyond the initial term if quantities of oil or gas are being produced from the lease or if drilling or well reworking operations are ongoing or have been approved by the MMS regional office. The lease also may be extended if the Regional Manager determines that a suspension is in the national interest and will facilitate proper development of a lease, allow for the construction of, or for the negotiation for the use of, transportation facilities, or facilitate the installation of equipment deemed necessary for safety or environmental reasons (30 CFR 250.12).

A bid recap report is prepared by the MMS regional office after bid decisions are completed. Copies of the report are available for a fee from the appropriate regional office.

For information on Lease Sales 40, 42, 43, and 49 in the Atlantic Region, refer to the first edition of the Atlantic Index (January 1975 - November 1980). No sale data are included in the second edition of the Index (December 1980 - June 1981). Information on Lease Sales 56, 59, and RS-2 and the Mid-Atlantic Lease Offering (April 1983) is contained in the third edition (June 1981 - May 1983). Sale data for Lease Sale 78 are presented below. Chapter 2 in each edition of the Index contains brief histories of lease sales and lease offerings.

LEASE SALE 78 (JULY 1983)

News Release

Interior Holds First Areawide South Atlantic Lease Offering. July 26, 1983. Available from MMS.

POSTLEASE PHASE

STEP 8. EXPLORATION PLAN AND ENVIRONMENTAL REPORT

15 CFR 930
30 CFR 250.34-1, 250.34-3, 250.57

After the leases are issued for an initial term of a minimum of 5 to a maximum of 10 years, MMS is responsible for regulating and monitoring operations on Federal leases and for collecting all revenues due the Government. Before exploratory drilling can begin on a leased block, an exploration plan and an environmental report must be prepared by the lessee or operator and submitted for review and approval, prior to the end of the fourth lease year for a 5-year term and within a time period specified at the time of leasing for a 10-year term, to the MMS regional office (30 CFR 250.34; 44 F.R. 3513-4527, January 17, 1979).

The Governor and the CZM agency of each affected State, appropriate Federal agencies, interstate regional entities, and the public are given the opportunity to review and make recommendations to MMS on all exploration plans, excluding those parts exempt from disclosure under the Freedom of Information Act. Each exploration plan includes (1) the proposed type and sequence of exploration activities; (2) a description of drilling vessels and platforms and other structures that come in contact with the seabed, including safety and pollution prevention and control features; (3) the types of geophysical equipment to be used; (4) the approximate location of each proposed exploratory well; (5) an oil-spill contingency plan that sets forth the procedures, personnel, and equipment that are to be used for preventing, reporting, and cleaning up spills of oil or waste material; (6) other relevant geological and geophysical information; (7) an air-quality analysis; and (8) such other data as the Director of MMS may require.

Exploration is a temporary activity that employs movable drilling rigs such as drillships, jack-ups, semisubmersibles, and submersibles. If exploration is unsuccessful, the drilling site is cleared of all equipment. Successful exploration usually is followed by the installation of one or more production platforms if the necessary plans of development and production are approved.

The environmental report includes (1) a description of onshore support and storage facilities; (2) the number of persons to be employed; (3) the quantity and composition of solid, liquid, and gaseous wastes; (4) the boat and aircraft movement patterns; (5) the major supplies, services, energy, and water necessary for implementing the plan; (6) the identification of environmentally sensitive areas; and (7) an assessment of the direct effects of implementing the exploration plan on the onshore and offshore environments.

The environmental report is a document separate from the exploration plan; however, it accompanies the plan throughout the review process. The environmental report may be used by States in planning for onshore impacts.

If the affected State(s) has a federally approved CZM program(s), the exploration plan and environmental report must be accompanied by a certificate of coastal zone consistency. The plan, report, and certification must be submitted to the appropriate State(s) CZM agencies for consistency review.

Information on exploration plans and environmental reports submitted for Lease Sales 40, 43, and 49 can be found in the first edition of the Atlantic Index (January 1975 - November 1980). Additional information for exploration plans and environmental reports pertaining to Lease Sales 40, 42, and 49 is contained in the second edition of the Index. The third edition of the Index (June 1981 - May 1983) lists additional plans and reports submitted for Lease Sales 42, 49, 56, and 59. The following tables list exploration plans and environmental reports for Lease Sales 59 and 76 submitted since the third edition. Plans are arranged numerically by lease number. It should be noted, however, that a single exploration plan and environmental report may cover an offshore company's operations on several of its leases.

LEASE SALE 59 (1981)

Exploration Plans and Environmental Reports

Lease no.	Area	Block no. (protraction diagram)	No. of wells	Operator	Submittal date	Approval date
0317	Wilmington Canyon	372 (NJ 18-6)	5	Shell	06/24/83	07/22/83
0336	Wilmington Canyon	336 (NJ 18-6)	4	Shell	06/24/83	07/22/83
0370	Baltimore Rise	93 (NJ 18-9)	4	Shell	11/03/83	12/02/83
0363	Baltimore Rise	4 (NJ 18-9)	4	Shell	11/03/83	12/02/83

Availability: MMS, Atlantic OCS Regional Office.

LEASE SALE 76 (1983)

Exploration Plans and Environmental Reports

Lease no.	Area	Block no. (protraction diagram)	No. of wells	Operator	Submittal date	Approval date
0412 0413	Wilmington Canyon	134, 135 (NJ 18-6)	6	Shell	05/16/84	Pending

Availability: MMS, Atlantic OCS Regional Office.

STEP 9. ENVIRONMENTAL ANALYSIS FOR EXPLORATION

30 CFR 250.34-4
40 CFR 1500.4

Prior to the approval of an exploration plan, the Director of MMS, through the appropriate regional office, reviews the environmental effects of activities proposed in the plan. Where potential for a significant impact or some controversy exists, an environmental assessment (EA) is prepared for the exploration plan. The analysis focuses attention on (1) seismic risks, (2) areas of high ecological sensitivity, (3) hazardous manmade and natural bottom conditions, and (4) the use of new and unusual technology. The EA is documented and advertised in the **Federal Register.**

If the Regional Manager, on behalf of the Director, concludes that the EA indicates that approval of the plan will not result in significant effects on the quality of the marine, coastal, or human environment, a finding of no significant impact (FONSI) is prepared. The FONSI briefly presents the basis

for that finding and includes a summary or copy of the EA. Notice of the availability of the EAs and FONSIs prepared for each offshore region is published every 3 months in the **Federal Register.**

If, in the opinion of the Director, the EA indicates that approval of the plan would constitute a major Federal action significantly affecting the quality of the marine, coastal, or human environment, an EIS must be prepared. At this time, consideration is given to significant adverse impacts upon the marine, coastal, or human environments resulting from the construction of new onshore facilities. Cumulative and previously unforeseen impacts are also considered. On the basis of the EA, EIS findings, and the technical review by MMS, the exploration plan will be approved, rejected, or modified.

A listing of EA/EISs for Lease Sales 40, 43, and 49 can be found in the first edition of the Atlantic Index (January 1975 - November 1980). Additional information on EA/EISs for Lease Sales 40, 42, and 49 can be found in the second edition of the Atlantic Index (December 1980 - June 1981). The third edition of the Index (June 1981 - May 1983) lists subsequent EAs issued for Lease Sales 40, 42, 49, 56, and 59. Information on EAs for Lease Sales 59 and 76 is provided below.

LEASE SALE 59 (1981)

Environmental Assessment for Exploration

Operator	Block no. (protraction diagram)	Location	FONSI date
Shell Offshore Inc.	386 (NJ 18-6)	Mid-Atlantic 95 mi SE of Atlantic City	07/22/83
	372 (NJ 18-6)	Mid-Atlantic 98 mi SE of Atlantic City	07/22/83

Operator	Block no. (protraction diagram)	Location	FONSI date
Shell Offshore Inc.	4 (NJ 18-9)	Mid-Atlantic 94 mi SE of Cape May	12/02/83
	93 (NJ 18-9)	Mid-Atlantic 96 mi SE of Cape May	12/02/83

Availability: MMS, Atlantic OCS Regional Office.

LEASE SALE 76 (1983)

Environmental Assessment for Exploration

Operator	Block no. (protraction diagram)	Location	FONSI date
Shell Offshore Inc.	134, 135 (NJ 18-6)	Mid-Atlantic 90 mi ESE of Atlantic City	06/08/84

Availability: MMS, Atlantic OCS Regional Office.

STEP 10. EXPLORATION DRILLING

30 CFR 250.36

An Application for Permit to Drill (APD), Form 9-331C, is filed with the district MMS office by the lessee or operator, either along with or subsequent to submission of the exploration plan and supporting information, including a site-specific shallow hazards survey report. The APD includes specific information on the location and depth of wells. The Minerals Management Service reviews a detailed hazard analysis that is based on information submitted by the lessee or operator prior to approval. An APD will not be approved until an exploration plan has been approved and all affected States with approved CZM programs have concurred. If a

State has not responded within 3 months, a presumptive concurrence is recorded. If within 3 months a State so requests, another 3 months will be granted to review the exploration plan. When approved by the Regional Managers of MMS, an APD constitutes a drilling permit. An additional APD must be filed and approved each time a well is deepened, reworked, redrilled, or plugged back. A sundry notice must be filed when any miscellaneous operation is conducted that is not specifically of a drilling nature, such as fracture treatment, perforating, or acidizing.

Other Federal permits required prior to exploratory drilling include permits for aids to navigation from the U.S. Coast Guard, permits for placement of structures in offshore Federal waters from the U.S. Army Corps of Engineers, and National Pollutant Discharge Elimination System (NPDES) permits from the Environmental Protection Agency.

Applications for permits to drill for Lease Sales 40, 43, and 49 are listed in the first edition of the Index (January 1975 - November 1980). The second edition (December 1980 - June 1981) lists additional APDs for Lease Sale 42. Data on APDs for Lease Sales 40, 42, and 59 are included in the third edition (June 1981 - May 1983). Additional APDs for Lease Sale 59 are presented below.

LEASE SALE 59 (1981)

Exploration Drilling Permits

Lease no.	Area	Block no. (protraction diagram)	No. of wells	Operator	Submittal date	Approval date
317	Wilmington Canyon	372 (NJ 18-6)	1	Shell	04/13/84	05/23/84
336	Wilmington Canyon	586 (NJ 18-6)	1	Shell	10/20/83	11/28/83
337	Wilmington Canyon	587 (NJ 18-6)	1	Shell	05/06/83	06/16/83

Availability: MMS, Atlantic OCS Regional Office.

STEP 11. DEVELOPMENT AND PRODUCTION PLAN AND ENVIRONMENTAL REPORT

30 CFR 250.34-2

Before development and production activities can begin, a development and production plan and an accompanying environmental report must be prepared by the lessee or operator and submitted for approval to the MMS regional office. The Governor and the CZM agency of each affected State, affected local government agencies, appropriate Federal agencies, and the public are given the opportunity to review and make recommendations to MMS on all development and production plans, excluding those parts that are exempt from disclosure under the Freedom of Information Act.

The development and production plan includes (1) the specific work to be performed; (2) a description of drilling vessels, platforms, pipelines, or other facilities and operations located offshore, including safety and pollution prevention and control features and labor, material, and energy requirements; (3) the well locations; (4) current interpretations of all available relevant geological and geophysical data, which may include proprietary data; (5) a description of environmental safeguards and safety standards; (6) a time schedule of development and production activities (7) an oil-spill contingency plan that sets forth the procedures, personnel, and equipment that are to be used for preventing, reporting, and cleaning up spills of oil and waste material; and (8) such other data as the Director may require. Submittal of the development and/or production plan initiates either the platform approval or the platform verification process, as appropriate, according to OCS Order No. 8.

The purpose of this mandatory program is to ensure that offshore oil and gas platforms and other structures are designed to withstand the environmental and operational conditions to which they may be exposed. Under either the Platform Approval Program or the Platform Verification Program, the MMS Regional Supervisor is provided the technical advice necessary to evaluate the structural adequacy of fixed or bottom-founded platforms or other offshore structures and major modifications to such structures. Platforms in deep water, in frontier areas, of unique design, or subject to extreme environmental loadings are reviewed in greater detail as part of the Platform Verification Program. The new platform or other offshore structures subject to the Platform Verification Program are approved by the Regional Supervisor after a satisfactory in-house review and receipt of a favorable verification report prepared by a certified verification agent who has reviewed the platform design, inspected the fabrication, and observed the installation.

The environmental report includes (1) a description of onshore support and storage facilities; (2) the number of persons to be employed; (3) the quantity and composition of solid, liquid, and gaseous wastes; (4) the boat and aircraft movement patterns; (5) the major supplies, services, energy, and water necessary for implementing the plan; (6) the identification of environmentally sensitive areas; and (7) an assessment of the direct effects of implementing the development and production plan on the onshore and offshore environments.

The environmental report is a document separate from the development and production plan; however, it accompanies the plan throughout the review process. The environmental report may be used by States in planning for onshore impacts.

The development and production plan and environmental report must be accompanied by a lessee's certification of consistency with the federally approved CZM programs for the affected States. Further processing by the Regional Supervisor will establish contact with the State to obtain the State's concurrence for the lessee-submitted consistency statement.

To date, there have been no development and production plans submitted for the Atlantic OCS because no commercial discoveries of oil and gas have been made.

STEP 12. ENVIRONMENTAL ANALYSIS FOR DEVELOPMENT AND PRODUCTION

30 CFR 250.34-4

Prior to the approval of a development and production plan, the Director of MMS, through the appropriate regional office, reviews the environmental effects of activities proposed in the plan. Where potential for a significant impact or some controversy exists, an EA is prepared for the development and production plan. The EA focuses attention on (1) seismic risks, (2) areas of high ecological sensitivity, (3) hazardous manmade and natural bottom conditions, and (4) the use of new and unusual technology. This MMS environmental analysis is documented and advertised in the **Federal Register.**

If the Regional Manager, on behalf of the Director, concludes that the EA indicates that approval of the plan will not result in significant effects on the quality of the marine, coastal, or human environment, a FONSI is prepared. The FONSI presents the basis for that finding and includes a summary or copy of the EA. Notice of the availability of the EAs and FONSIs prepared for each offshore region is published every 3 months in the **Federal Register**.

If, in the opinion of the Director, the EA indicates that approval of the plan would constitute a major Federal action significantly affecting the quality of the marine, coastal, or human environment, an EIS must be prepared. At this time, consideration is given to significant adverse impacts on the marine, coastal, or human environments resulting from the construction of new onshore facilities. Cumulative and previously unforeseen impacts also are considered. On the basis of the EA or the EIS findings and the technical review by MMS, the development and production plan will be approved, rejected, or modified.

To date, no EA for development and production has been made for the Atlantic OCS Region.

STEP 13. DEVELOPMENT AND PRODUCTION DRILLING

30 CFR 250.36

After approval of the development and production plan and installation of a platform or other drilling structure, the lessee or operator files an APD with the supervisor of the district office. The APD includes specific information on the location and depth of wells. An APD approved by MMS constitutes a drilling permit. An additional APD must be filed and approved each time a well is deepened, reworked, redrilled, or plugged back. A sundry notice must be filed when any miscellaneous operation is conducted that is not specifically of a drilling nature, such as fracture treatment, perforating, or acidizing.

Other Federal permits required prior to platform installation and subsequent development drilling include permits for aids to navigation from the U.S. Coast Guard, permits from the U.S. Army Corps of Engineers for placing a structure offshore as related to obstruction to navigation or national defense, and NPDES permits from the Environmental Protection Agency.

No development or production drilling has occurred on the Atlantic OCS.

STEP 14. PIPELINES

30 CFR 250.18
30 CFR 256.101
(formerly 43 CFR 3340)

A permit is required to construct a pipeline that would transport oil and gas across the OCS. (The Minerals Management Service has permit jurisdiction over offshore pipelines that are wholly contained within or extend beyond the boundaries of a single lease, the boundaries of unitized leases, or the boundaries of adjacent leases under the same lessee or operator.)

The MMS permit is granted by the Regional Manager on behalf of the Director of MMS. The right-of-way is granted by the Manager of the MMS regional office. It includes the corridor through which the common-carrier pipelines are emplaced and the site on which associated structures are situated. The Minerals Management Service, with the participation of other agencies, as appropriate, permits the locations of pipeline rights-of-way. The Fish and Wildlife Service prepares and submits reports to MMS concerning potential effects on biological resources that might result from pipeline construction in proposed right-of-way corridors. The Minerals Management Service also performs a technical review and makes a hazards analysis of the proposed pipeline routes. An environmental analysis is prepared in accordance with applicable policies and guidelines.

In addition, the U.S. Army Corps of Engineers requires permits for the construction of pipelines in navigable waters. Regulations for offshore pipelines are also issued by the Department of Transportation's Materials Transportation Bureau and by the Federal Energy Regulatory Commission for natural gas pipelines. State and local agencies are responsible for pipeline regulation in State waters and their coastal zones.

Since no development or production activities have occurred in the Atlantic OCS Region, no pipelines are planned for the region at this time.

STEP 15. PRODUCTION

30 CFR 250.37 - 250.72
250.90 - 250.96

With the approval of MMS, the individual lessees determine the amount and duration of production. After production begins, monthly reports of operations and royalty payments must be submitted to MMS. Lessees also must comply with all safety and operating requirements of MMS and the U.S. Coast Guard. In addition, lessees must obtain MMS approval of any significant modification of production equipment or procedures. The term of a particular lease will be extended beyond the initial term, as long as production is occurring or drilling or well reworking operations are being conducted with lapses of no more than 90 days after the end of the primary term or when a suspension has been granted in accordance with 30 CFR 250.12.

STEP 16. LEASE CANCELLATION, EXPIRATION, OR RELINQUISHMENT

30 CFR 250.15, 250.20, 250.34a
30 CFR 256.77
(formerly 43 CFR 3320)

Leases will expire at the end of their initial term unless they are extended through production or approved drilling or workover operations or when a suspension has been granted by MMS. Leases also may be surrendered by the lessee by filing a written relinquishment with the appropriate MMS regional office.

Operations on a producing lease are subject to Federal review, and the lease may be canceled by the Secretary of the Interior for noncompliance with the provisions of the OCS Lands Act or applicable regulations. Nonproducing leases also may be canceled by an authorized officer, subject to judicial review, for noncompliance with the OCS Lands Act or applicable regulations. The Secretary of the Interior may cancel a lease (1) when continued activity under the lease could potentially cause serious harm or damage to life, property, any mineral resource, national security, or the marine, coastal, or human environment; (2) when the threat of harm or damage will not disappear or decrease to an acceptable extent within a reasonable period of time; or (3) when the advantages of cancellation outweigh the advantages of continuing the lease in effect.

At the time of abandonment, wellheads must be plugged and cut off below the surface of the ocean floor and other bottom obstructions must be removed. Leases require that platforms be dismantled and removed no later than 1 year after production ceases.

The Minerals Management Service is responsible for all official record title actions. Official administrative records are maintained by each MMS regional office and are available to the public.

Information on active leases for the Atlantic OCS Region can be obtained by contacting the Minerals Management Service, Atlantic OCS Regional Office, Public Records Office, 1951 Kidwell Drive, Suite 601, Vienna, VA 22180.

4. Ongoing Programs

Four programs generate, review, or report offshore-related data used on a continuous basis from prelease activities through production. These are MMS's geological and geophysical surveys and analyses, the OCS Advisory Board's components, regional environmental and socioeconomic studies, and the OCS Oil and Gas Information Program. Each of these programs is described in this chapter.

GEOLOGICAL AND GEOPHYSICAL SURVEYS AND ANALYSES

30 CFR 250, 251 and 40 CFR 1500-1508

Geological and geophysical surveys and analyses provide most of the resource information used by the Government and industry on the oil and gas potentials of various offshore areas. The collection of geological and geophysical data begins prior to the lease sale and continues throughout the offshore leasing process. The MMS regional offices issue prelease geological and geophysical exploration permits to specialized data-collection firms and industry. Postlease surveys and analyses are conducted under the regulations at 30 CFR 250 as they relate to operations on a lease. Prior to issuing any permit to conduct geological and geophysical surveys, MMS conducts an environmental analysis of the potential effects of the proposed survey activities. In instances where the permit involves drilling or the use of explosives, the environmental analysis is documented in an EA. If it is determined that the survey activities proposed would constitute a major Federal action significantly affecting the quality of the human environment, an EIS is prepared.

All permit holders must immediately notify in writing the Director of MMS of the acquisition of any geological or geophysical data or information collected under the permit. The Director may inspect and require submission, on a proprietary basis, of all data and information. When any significant hydrocarbon occurrences are detected or environmental hazards are encountered on unleased lands during drilling operations, the Director immediately issues a public announcement. Unless the release of geological or geophysical data and information is governed by a contractual agreement that establishes specific terms for public release, the disclosure regulations (30 CFR 251.14) in effect on the date a permit is issued will govern the public release of such data and information obtained and submitted to the Director under that permit. Public data and information are made available through the National Geophysical Data Center, National Oceanic and Atmospheric Administration, and may be inspected at the MMS regional office that acquired the data.

States may review relevant proprietary data and information that have been submitted to the Director of MMS at locations designated by the Secretary of the Interior, pursuant to section 26(d)(2) of the OCS Lands Act Amendments of 1978. This section requires that an official be appointed by the Governor to inspect the data and information and that the State be subject to certain provisions of confidentiality.

Continental Offshore Stratigraphic Test (COST) Wells

Prior to an OCS lease offering, Continental Offshore Stratigraphic Test (COST) wells (officially referred to as Deep Stratigraphic Test, or DST, wells in Federal OCS regulations) may be drilled by groups of oil companies in an area proposed for leasing. The geological and engineering data obtained are evaluated by the participating oil companies and MMS to determine if a hydrocarbon potential exists in the area and whether there are any possible drilling problems.

The public disclosure provision of the regulations on geological and geophysical explorations of the OCS (30 CFR 251.14) specifies that geological data and information from COST wells including analyzed and interpreted information shall be released 60 days after the issuance of the first Federal lease within 50 geographic miles of the completed test site, or 10 years after the well completion if no lease is issued. This stipulation has been included in the stipulations attached to the permits for COST well operations.

A brief history of the Atlantic Region COST wells is presented in table 2, as well as references to U.S. Geological Survey open-file reports that contain more detailed information on the wells. Figures 4 (p. 10), 5 (p. 11), and 6 (p. 12) show the locations of Atlantic OCS Region COST wells.

OCS ADVISORY BOARD

The OCS Advisory Board was established in October 1975 to provide DOI with a formal mechanism to receive comments and recommendations from coastal State officials and to provide a forum for effective dialog among coastal States and the various Federal agencies involved in OCS development. In 1978, the board was restructured to better accommodate the need for greater cooperation and coordination. In its current form, the OCS Advisory Board is composed of three elements: the Policy Committee, the Scientific Committee, and six Regional Technical Working Groups. The board's three-tiered structure provides for specialized consideration of the policy, scientific, and technical aspects of the OCS leasing programs and balances State, local, Federal, public, and private interests. The board advises the Secretary of the Interior and other DOI officers on the performance of discretionary functions of the OCS Lands Act, as amended (43 U.S.C. 1331 et seq.), including all aspects of leasing, exploration, development, and production of OCS resources.

Policy Committee

The Policy Committee provides policy advice concerning the OCS program to the Interior Secretary, through the MMS Director. At its inception, the OCS Advisory Board consisted solely of what is now the Policy Committee. Federal agencies, States, and the private sector are all represented on the committee. Policy level representatives from seven Federal agencies (the Environmental Protection Agency, the Council on Environmental Quality, and the Departments of Commerce, Defense, Energy, State, and Transportation) are appointed by the head of each agency. The Governors of the 24 coastal States each nominate one policy representative for appointment by the Interior Secretary. The Secretary also appoints up to 12 additional members from the private and public sectors to balance the Policy Committee in terms of public, industry, fishing, environmental, and other interests.

Scientific Committee

The Scientific Committee is composed of 15 scientists from disciplines important to MMS's Environmental Studies Program. The committee reports directly to the MMS Director and advises on the appropriateness, feasibility, and scientific value of the studies program.

TABLE 2.—COST wells in the Atlantic OCS area

Well	Atlantic OCS planning area	Block (protraction diagram)	Spud date	Completion date	Maximum depth (feet)[1] (RKB)	Operator	USGS Open-File Reports[2]
GE-1	North	79 (NK-19-11)	04/06/76	07/17/76	16,071	Ocean Production	80-268
G-2	North	141 (NK 19-12)	01/06/77	08/07/77	21,872	Ocean Production	80-269
B-2	Mid-	594 (NK 18-16)	12/14/75	03/18/76	16,043	Ocean Production	76-774
B-3	Mid-	66 (NJ 18-16)	10/09/78	01/18/79	15,820	Chevron	79-1159
GE-1	South	387 (NH 17-5)	02/23/77	05/31/77	13,254	Ocean Production	78-668

[1]Measured from the Kelly Bushing on the drilling rig.
[2]Available at cost form Open-File Services Section, Branch of Distribution, U.S. Geological Survey, Box 25425, Federal Center, Denver, CO 80225, or from the National Geophysical and Solar-Terrestrial Data Center, NOAA, Code B621, 325 Broadway, Boulder, CO 80303.

Regional Technical Working Groups

In each of the four OCS leasing regions (Atlantic, Gulf of Mexico, Pacific, and Alaska), Regional Technical Working Groups (RTWG) have been established. Currently there are six RTWGs. Three of these are in the Atlantic OCS Region, one in each of the planning areas--North Atlantic, Mid-Atlantic, and South Atlantic.

The RTWGs review and comment on technical matters of regional concern regarding prelease and postlease activities and on environmental study requirements for each offshore leasing region. In the past, several RTWGs also have participated in the development of regional transportation management plans. These plans are now discretionary as a result of the Director's memo of May 24, 1983. Each RTWG is composed of representatives with technical expertise from the affected States; MMS; Federal agencies (such as the Fish and Wildlife Service, the U.S. Coast Guard, the Environmental Protection Agency, the National Oceanic and Atmospheric Administration, and the Department of Energy); the oil-and-gas industry; and other special and private interests that exist in the leasing region. Every RTWG is co-chaired by a State representative, who is selected in a manner approved by the State representatives on the committee, and by the Regional Manager or designee. A list of current Atlantic Region RTWG members is shown in table 3.

REGIONAL ENVIRONMENTAL AND SOCIOECONOMIC STUDIES

30 CFR 256.82 (formerly 43 CFR 3331)

The Environmental Studies Program was initiated in 1973 with a series of information syntheses on the environmental characteristics of the various offshore regions. The program was formalized in section 20 of the OCS Lands Act Amendments of 1978 (Public Law 95-372), which requires the Secretary to conduct a

TABLE 3.—Atlantic OCS Regional Technical Working Groups membership

Member	Affiliation
North Atlantic	
Bruce Weetman (co-chairperson)	Minerals Management Service, Atlantic Region
Ralph Andrews	Fish and Wildlife Service
Allen Ikalainen	Environmental Protection Agency
Carolyn Griswold	National Oceanic and Atmospheric Administration
Capt. R. Barry Eldridge	U.S. Coast Guard
Mark Chittum (co-chairperson)	State of New Hampshire
Charles Colgan	State of Maine
Patricia Hughes	State of Massachusetts
John Harmon	State of New York
Bruce Vild	State of Rhode Island
Craig Weatherby	State of Connecticut
Glenn Kumekawa	Private Citizen
Nancy Masterton	Private Citizen
Richard Stauble	American Petroleum Institute
David Strouss	Coalition of Coastal Communities
Mid-Atlantic	
Bruce Weetman (co-chairperson)	Minerals Management Service, Atlantic Region
Peter Anderson	Environmental Protection Agency
Ralph Andrews	Fish and Wildlife Service
Capt. Benjamin Joyce	U.S. Coast Guard
Robert Lippson	National Oceanic and Atmospheric Administration
Robert Jordan (co-chairperson)	State of Delaware
John Harmon	State of New York
J.B. Jackson, Jr.	State of Virginia
Norbert Psuty	State of New Jersey
Kenneth Schwarz	State of Maryland
Arthur Socolow	State of Pennsylvania
Eric Vernon	State of North Carolina
Stuart Edwards	Private Citizen
William Hargis, Jr.	Private Citizen
Charles Heath	Private Citizen
Harland Johnson	American Petroleum Institute
David Keifer	Mid-Atlantic Fishery Management Council
Carl Sullivan	American Fisheries Society

TABLE 3.—Atlantic OCS Regional Technical Working Groups membership—Continued

Member	Affiliation
South Atlantic	
Bruce Weetman (co-chairperson)	Minerals Management Service, Atlantic Region
Randy Cheek	National Oceanic and Atmospheric Administration
James Kelly	U.S. Army Corps of Engineers
James Kirkwood	Fish and Wildlife Service
Reginald Rogers	Environmental Protection Agency
Capt. Alexander Tanos	U.S. Coast Guard
Elizabeth Herland (co-chairperson)	State of Florida
J.B. Jackson, Jr.	Commonwealth of Virginia
Patricia Jerman	State of South Carolina
William McLemore	State of Georgia
Eric Vernon	State of North Carolina
Ann Pizzorusso	Private Citizen
John Preston	American Petroleum Institute
John Seymour	Interstate Natural Gas Association of America

For further information concerning the Atlantic RTWGs, contact John Stone, Minerals Management Service, Atlantic OCS Regional Office, 1951 Kidwell Drive, Suite 601, Vienna, VA 22180 (telephone: (703) 285-2165).

study of any area or region included in any oil-and-gas lease sale in order to establish information needed to assess the human, marine, and coastal environments of the OCS and the coastal areas that may be affected by oil-and-gas development. The Environmental Studies Program is a multidisciplinary program employing the physical, chemical, and biological sciences to examine impacts of offshore development on air quality, marine and coastal environments, the human environment, and other special concerns.

In response to the Secretary's streamlining initiatives in 1982, the scope and emphasis of the Environmental Studies Program was changed to include postlease monitoring and lease management decisions, as well as prelease assessment. Thus, the Environmental Studies Program begins providing information for the development of the 5-year leasing schedule, continues to address prelease and lease-related decisions, and develops monitoring information for post-lease management decisions. Information is acquired to answer questions regarding the following:

- location and characteristics of sensitive areas of environmental concern;
- probability of adverse impacts of industry operations on the human, biological, and physical environment;

- design and evaluation of stipulations to protect or mitigate adverse impacts in these sensitive areas; and

- evaluation of social, economic, and physical impacts.

The Environmental Studies Program is under the direction of the MMS Deputy Associate Director for Offshore Leasing in the Environmental Assessment Division. The program consists of an environmental studies group in each of the MMS regional offices (Atlantic, Gulf of Mexico, Pacific, and Alaska) and in the MMS Branch of Environmental Studies in Washington, D.C. The regional offices are responsible for developing statements of regional study needs (Regional Studies Plans), preparing statements of work, evaluating requests for proposals, and monitoring contractor performance on all approved regional studies. The Branch of Environmental Studies has overall management, planning, and budgeting responsibilities for the studies program. The Chief of the Branch of Environmental Studies is responsible for the technical adequacy of the program, and the regional offices are responsible for the technical adequacy of the program's component studies. The Branch of Environmental Studies (1) prepares program guidance for the MMS regional offices to use in the preparation of Regional Studies Plans; (2) establishes national priorities; (3) compiles the National Study List; and (4) manages some generic studies that are applicable to more than one leasing region.

The process of developing the National Study List usually begins when the Branch of Environmental Studies, through the Deputy Associate Director, establishes the schedule within which the regional offices are to prepare Regional Studies Plans. These plans include statements of regional study needs, the regional perspective on the priorities of these needs, and a brief description of each proposed study and its estimated cost. The Branch of Environmental Studies reviews draft Regional Studies Plans from all four regional offices for programmatic consistency, cost, use of ranking criteria, and relevance to issues of national interest. The regional offices revise their respective study plans accordingly. Following the submission of final study plans, the Branch of Environmental Studies compiles a National Study List. Copies of the current Regional Studies Plans may be obtained by contacting the appropriate MMS regional office. The National Study List is available from the Branch of Environmental Studies.

The MMS regional offices procure the studies on the approved study list unless a proposed change is approved by the MMS Deputy Associate Director. This permits the regional offices to respond to unanticipated study needs that arise between compilations of study plans, and it also ensures the continuity of program initiatives.

Regional Technical Working Groups also are involved in the development of regional study programs. These groups focus primarily on the determination of issues that require study and their importance to regional decisionmakers. In addition, RTWGs review the draft Regional Studies Plan and are briefed on the status of regional studies on the National Study List. The committees are advised of studies that are approved for funding, and they may also be involved in the design of and decisions on approved studies.

The Scientific Committee of the OCS Advisory Board provides guidance on the studies program to the Director of MMS. The Branch of Environmental Studies is the point of contact for their recommendations. In addition to providing reviews of the regional study plans in terms of feasibility and scientific merit, they also provide recommendations concerning the long-range development of the studies program and new program initiatives.

The end result of the Environmental Studies Program is a comprehensive base of information for each offshore area, which is used by MMS in its decisionmaking. Copies of

the various studies are made available for review at the MMS regional offices. Limited numbers of copies are available for distribution. Final reports also are available for purchase through the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; telephone: (703) 487-4650. The OCS Oil and Gas Information Program also endeavors to notify the public of the availability of regional environmental studies.

OCS OIL AND GAS INFORMATION PROGRAM

30 CFR 252
30 CFR 256.10
(formerly 43 CFR 3300.2)

Section 26 of the OCS Lands Act, as amended in 1978, calls for the establishment of an OCS Oil and Gas Information Program. This program requires submission and public dissemination of oil and gas data that result from exploration, development, and production activities. Procedures and requirements established for the OCS Oil and Gas Information Program, now managed by the Office of Offshore Information Services, are contained in 30 CFR 252.3, 252.4, and 252.5 and 30 CFR 256.10. These regulations require that the Director of MMS make available to affected States a regional summary report of information and data. The summary reports are designed to assist State and local governments in planning for onshore impacts of potential offshore oil and gas development and production. The regulations also require the Director of MMS to provide affected States with an index, such as this document, that lists all relevant, actual or proposed programs, plans, reports, EISs, and lease sale information used by the Federal Government in its decisionmaking process. Neither the summary reports nor the indexes contain proprietary information.

Appendix A. Listing of Federal Agencies -- Headquarters and Regional

Appendix A provides a listing of some of the Federal agencies involved in the offshore leasing process. Numerous agencies are involved in this process, and not all are mentioned in this Index. For agencies included, an offshore contact is indicated. Should further information be desired, an attempt has been made to provide general locator numbers for listed agencies and departments. These numbers are listed adjacent to the agency title in **boldface**.

Mailing addresses and telephone numbers are listed alphabetically by department or agency headquarters; the participating regional or field offices follow immediately after the headquarters offices with which they are associated. To prepare a full mailing address, use the name of the agency or department, the particular office designation you wish, and any other pertinent information such as mail-stop code or box number.

COUNCIL ON ENVIRONMENTAL QUALITY **(202) 395-5700**

722 Jackson Place, NW.
Washington, DC 20006

A. Alan Hill, Chairman (202) 395-5080

DEPARTMENT OF COMMERCE **(202) 377-2000**

National Oceanic and Atmospheric Administration **(301) 443-8910**

6210 Executive Boulevard
Rockville, MD 20852

14th and Constitution Avenue, NW.
Room 5128
Washington, DC 20230

John V. Byrne, Administrator (202) 377-3567

National Environmental Satellite,
Data and Information Service
National Geophysical Data Center
NOAA/NESDIS
Mail Code E/GC
325 Broadway
Boulder, CO 80303

Michael A. Chinnery, Director (303) 497-6215

National Marine Fisheries Service
Habitat Conservation Division
Page Building 2, Room 168
3300 Whitehaven Street, NW.
Washington, DC 20235

Kenneth R. Roberts, Division Director (202) 634-7490

National Ocean Service
National Marine Pollution Program Office
11400 Rockville Pike
Room 610
Rockwall Building
Rockville, MD 20852

Andrew Robertson, Director (301) 443-8823

Oceanic and Atmospheric Research
Sea Grant
6010 Executive Boulevard
Rockville, MD 20852

Ned A. Ostenso, Director (301) 443-8923

Office of Ocean and Coastal Resource Management*
3300 Whitehaven Street, NW.
Washington, DC 20235
(*formerly the Office of Coastal Zone Management)

Peter L. Tweedt, Director (202) 634-4232

Coastal Programs Division
James P. Burgess, Chief (Acting) (202) 634-1672

Kathryn Cousins
North Atlantic Regional Manager (202) 634-4126

Joe Uravitch
South Atlantic Regional Manager (202) 634-4124

Sanctuary Programs Division
Nancy Foster, Chief (202) 634-4236

DEPARTMENT OF DEFENSE (202) 545-6700

Office of the Assistant Secretary
Manpower, Installations and Logistics
The Pentagon, Room 3E808
Washington, DC 20301

Lawrence J. Korb, Assistant Secretary (202) 695-5254

U.S. Army Corps of Engineers

DAEN-CWZ-P (202) 272-0103
Pulaski Building
20 Massachusetts Avenue, NW.
Washington, DC 20314

Lt. Col. Ronald G. Kelsey, Assistant Director of
Civil Works, Environmental Program

Office of the Chief of Engineers (Regulatory Functions) (202) 272-0200
DAEN-CWO-N

Lt. Gen. J. K. Bratton, Chief of Engineers (202) 272-0001

B. N. Goode, Chief, Regulatory Branch (202) 272-0199

U.S. Army Corps of Engineers Permit Offices:

Baltimore District (301) 962-3670
Attn: Operations Division
P.O. Box 1715
Baltimore, MD 21203

Charleston District (803) 724-4330
P.O. Box 919
Charleston, SC 29402

Jacksonville District (904) 791-1659
P.O. Box 4970
Jacksonville, FL 32232

New England Division (617) 647-8338
Division Engineer
424 Trapelo Road
Waltham, MA 02254

New York District (212) 264-3996
26 Federal Plaza
New York, NY 10278

Norfolk District
803 Front Street
Norfolk, VA 23510 (804) 441-3656

Philadelphia District
Custom House
Second and Chestnut Streets
Philadelphia, PA 19106 (215) 597-2812

Savannah District
P.O. Box 889
Savannah, GA 31402 (912) 944-5822

Wilmington District
P.O. Box 1890
Wilmington, NC 28401 (919) 343-4639

DEPARTMENT OF THE INTERIOR **(202) 343-7220**

Office of the Secretary
18th and C Streets, NW.
Room 6151
Washington, DC 20240

William P. Clark, Secretary (202) 343-7351

Assistant Secretary

Policy, Budget and Administration
Room 5100

Richard R. Hite, Principal Deputy Assistant Secretary (202) 343-6182

Land and Minerals Management
Room 6611

Garrey E. Carruthers (202) 343-2191

Water and Science
Room 6660

Robert N. Broadbent (202) 343-2186

Fish and Wildlife and Parks
Room 3156

G. Ray Arnett (202) 343-4416

Indian Affairs
Room 4160

Kenneth L. Smith (202) 343-7163

Bureau of Indian Affairs

Operations
1951 Constitution Avenue, NW.
Washington, DC 20245

John W. Fritz, Deputy Assistant Secretary (202) 343-5116

Environmental Services Staff
Code 204

George R. Farris, Chief (202) 343-4541

Bureau of Indian Affairs: Area Office

Eastern:
1951 Constitution Avenue, NW.
Code 1000
Washington, DC 20245

Harry A. Rainbolt, Area Director (703) 235-2571

Fish and Wildlife Service

18th and C Streets, NW.
Room 3256
Washington, DC 20240

Robert A. Jantzen, Director (202) 343-4717

Biological Services Division
18th and C Streets, NW.
Washington, DC 20240

Edward LaRoe (202) 653-5948

Ecological Services Division
Branch of OCS Operations

Raymond Fritz, Chief (202) 343-3245

Fish and Wildlife Service: Regional Offices

Region 4 - South Atlantic: (803) 724-4707
OCS Coordinator
P.O. Box 12559
Charleston, SC 29412

Region 5 - North Altantic: (617) 965-5100
OCS/Coastal Activity Specialist
1 Gateway Center, Suite 700
Newton Corner, MA 02158

Region 5 (Field Office) - Mid-Atlantic: (301) 269-5448
OCS Coordinator
1825-B Virginia Street
Annapolis, MD 21401

Geological Survey

Office of the Director (MS 101) **(703) 860-6118**
National Center
12201 Sunrise Valley Drive
Reston, VA 22092

Dallas L. Peck, Director (703) 860-7411

Geologic Division (MS 911)
Robert M. Hamilton, Chief (703) 860-6531

Office of Energy and Marine Geology (MS 915)
Terry W. Offield, Chief (703) 860-6431

Minerals Management Service **(703) 435-6410**

U.S. Department of the Interior
18th and C Streets, NW.
Washington, DC 20240

12203 Sunrise Valley Drive
Reston, VA 22091

William D. Bettenberg, Director (202) 343-3500
18th and C Streets, NW.
Room 4212, MS 610

Associate Director for Royalty Management
Robert Boldt (202) 343-3500
18th and C Streets, NW.
Room 4216, MS 610

Associate Director for Offshore Minerals Management
John B. Rigg (202) 343-3530
18th and C Streets, NW.
Room 4223, MS 640

International Program and Strategic/Critical Minerals
Reid Stone, Assistant Associate Director (213) 688-2034
1340 W. Sixth Street
Los Angeles, CA 90017

Office of Offshore Information Services
Michele M. Tetley, Chief (202) 343-9314
18th and C Streets, NW.
Room 2518, MS 640

Outer Continental Shelf Information Program
William S. Cook, Chief (703) 860-7166
12203 Sunrise Valley Drive
MS 640

Deputy Associate Director for Offshore Leasing
Carolita Kallaur (202) 343-3504
18th and C Streets, NW.
Room 4225, MS 641

Offshore Resource Evaluation Division
Gary Lore, Chief (703) 860-7835
12203 Sunrise Valley Drive
MS 643

Branch of Geologic and Geophysical Studies
Michael Hunt, Chief (703) 860-7571
Room 6A104, MS 643

Branch of Economic Studies
Marshall Rose, Chief (703) 860-7558
Room 6A100, MS 643

Branch of Resource Assessment
(Vacant) (703) 860-7567

Offshore Leasing Management Division
Chris Oynes, Chief (Acting) (202) 343-6906
18th and C Streets, NW.
Room 2510, MS 645

Branch of Leasing Development and Coordination
Jan Thorman, Chief (Acting) (202) 343-3116
Room 2511, MS 645

Branch of Program Development and Planning
Paul Stang, Chief (202) 343-1072
Room 4520, MS 645

Branch of Sales Activities
Sandra E. Seim, Chief (202) 343-5121
Room 2515, MS 645

Offshore Environmental Assessment Division
Piet deWitt, Chief (202) 343-2097
18th and C Streets, NW.
Room 2042, MS 644

Branch of Environmental Evaluation
(Vacant) (202) 343-6264
Room 2507, MS 644

Branch of Environmental Studies
Abigail Miller, Chief (Acting) (202) 343-7744
Room 2526, MS 644

Branch of Environmental Operations
John T. Goll, Chief (703) 860-6461
12203 Sunrise Valley Drive
MS 644

Deputy Associate Director for Offshore Operations
Richard Krahl (703) 860-7515
12203 Sunrise Valley Drive
MS 642

Offshore Rules and Operations Division
Price McDonald, Chief (703) 860-7564
12203 Sunrise Valley Drive
MS 646

Branch of Rules, Orders and Standards
David A. Schuenke, Chief (703) 860-7916
Room 6A110, MS 646

Branch of Lease Exploration
Gerald R. Daniels, Chief (703) 860-6823
Room 6A118, MS 646

Branch of Development and Production
Gerald D. Rhodes, Chief (703) 860-7567
Room 6A418, MS 646

Offshore Inspection and Enforcement Division
Marshall L. Courtois, Chief (703) 860-7865
12203 Sunrise Valley Drive
MS 647

Branch of Technology Assessment and Research
John B. Gregory, Chief (703) 860-7865
Room 6A122, MS 647

Branch of Monitoring and Penalties
Billy J. Shoger, Chief (703) 860-7506
Room 6A202, MS 647

Minerals Management Service: Regional Offices

Atlantic OCS Region:
Minerals Management Service
1951 Kidwell Drive
Suite 601
Vienna, VA 22180

Bruce Weetman, Regional Manager (Acting) (703) 285-2165

Alaska OCS Region:
Minerals Management Service
P.O. Box 101159
Anchorage, AK 99510

Alan D. Powers, Regional Manager (907) 261-2307

Gulf of Mexico OCS Region:
Minerals Management Service
3301 N. Causeway Boulevard
P.O. Box 7944
Metairie, LA 70010

John L. Rankin, Regional Manager (504) 837-4720

Pacific OCS Region:
Minerals Management Service
1340 W. Sixth Street
Los Angeles, CA 90017

William E. Grant, Regional Manager (213) 688-2050

National Park Service

Biological Resources Division
1100 L Street, NW.
MS 485
Washington, DC 20240

John C. Reed, Chief (202) 343-8125

Office of the Solicitor

Division of Energy and Resources
18th and C Streets, NW.
Room 6310, MS 43
Washington, DC 20240

Lawrence Jensen, Associate Solicitor (202) 343-5757

DEPARTMENT OF JUSTICE

10th and Pennsylvania Avenue, NW.
Washington, DC 20530

William French Smith, Attorney General (202) 633-2001

Antitrust Division
Energy Section
414 11th Street, NW.
Room 9317
Washington, DC 20530

Melanie S. Cutler, Chief (202) 724-6410

Land and Natural Resources Division
General Litigation Section
10th and Constitution Avenue, NW.
Room 2133
Washington, DC 20530

Myles E. Flint, Chief (202) 633-2704

DEPARTMENT OF TRANSPORTATION (202) 426-4000

400 Seventh Street, SW.
Washington, DC 20590

Elizabeth Dole, Secretary (202) 426-1111

Environmental Division (P-32)
400 Seventh Street, SW.
Room 10223
Washington, DC 20590

Eugene L. Lehr, Chief (202) 426-4366

U.S. Coast Guard (202) 426-4000

2100 Second Street, SW.
Room 2212
Washington, DC 20593

Admiral James S. Gracey, Commandant (202) 426-2390

Office of Marine Environment and Systems
Room 1200B

Commodore John W. Kime, Chief (202) 426-2007

Offshore Activities/Foreign Vessel Safety Branch
Room 2402A

Commander K. V. Feeney, Chief (202) 472-5160

Office of Merchant Marine Safety
Room 2408

Rear Admiral Clyde T. Lusk, Jr., Chief (202) 426-2200

Merchant Vessel Inspection Division
Room 2414

Chief (202) 426-2178

U.S. Coast Guard: District Offices

First Coast Guard District (617) 223-3601
150 Causeway Street
Boston, MA 02114

Third Coast Guard District (212) 668-7196
Governors Island
New York, NY 10004

Fifth Coast Guard District (804) 398-6000
Federal Building
431 Crawford Street
Portsmouth, VA 23705

Seventh Coast Guard District (305) 350-5654
1321 Federal Building
51 SW. First Avenue
Miami, FL 33130

Materials Transportation Bureau

Office of Pipeline Safety Regulation
400 Seventh Street, SW.
Room 8101
Washington, DC 20590

Richard L. Beam, Associate Director (202) 426-2392

Office of Pipeline Safety Regulation: Regional Offices

Regional Chief, Eastern Region (202) 755-9435
400 Seventh Street, SW.
Room 8321, DMT-15
Washington, DC 20590

Regional Chief, Southern Region (404) 881-2632
1776 Peachtree Road, NW.
Suite 505 North, DMT-16
Atlanta, GA 30309

ENVIRONMENTAL PROTECTION AGENCY (202) 382-2090

Office of the Administrator
401 M Street, SW.
A-100
Washington, DC 20460

William D. Ruckelshaus, Administrator (202) 382-4700

Office of Federal Activities
Alan Hirsch, Director (202) 382-5053
A-104

Environmental Protection Agency: Regional Administrators' Offices

Region I
J. F. Kennedy Federal Building (617) 223-7210
Room 2203
Boston, MA 02203

Region II
26 Federal Plaza (212) 264-2525
Room 900
New York, NY 10278

Region III
Curtis Building (212) 597-9814
Sixth and Walnut Streets
Philadelphia, PA 19106

Region IV
345 Courtland Street, NW. (404) 881-4727
Atlanta, GA 30365

FEDERAL ENERGY REGULATORY COMMISSION **(202) 357-5200**

Office of Regulatory Analysis
825 N. Capitol Street, NE.
Room 3000
Washington, DC 20426

Robert C. Means, Director (202) 357-8191

Office of Pipeline and Producer Regulations
Room 7000

Kenneth A. Williams, Director (202) 357-8500

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION **(202) 453-1000**

Management Support Division
Code LB4
400 Maryland Avenue, SW.
Washington, DC 20546

Nathaniel B. Cohen, Director (202) 453-8335

NATIONAL ARCHIVES **(202) 523-5240**

Office of the Federal Register
National Archives and Records Service
Washington, DC 20408

Reference inquiries (202) 523-5227

Appendix B. Listing of Atlantic Region State Agencies and their OCS-Related Functions

This appendix describes State and local participation in the Federal offshore leasing process, as well as the autonomous responsibilities of States for offshore-related activities. The specific State agencies in the Atlantic Coast States that are or could be involved in offshore-related activities are also presented. These agencies, their mailing addresses, telephone numbers, and the names of people to contact are listed alphabetically in tables 4 through 18.

To prepare a full mailing address, use the name of the agency or department, the particular office designation you wish, and any other pertinent information such as mail-stop code or box number. In instances where the full address is not given, use the first complete address immediately above the office in which you are interested.

STATE AGENCY PARTICIPATION IN THE FEDERAL LEASING PROCESS

The Federal Government, represented by DOI, coordinates and consults with affected States and, through States, with local governments during the Federal offshore leasing process.

Federal/State interaction begins with the review of the proposed OCS oil-and-gas leasing schedule. Several steps throughout the leasing process require the Federal Government to invite and consider suggestions from the Governors of the potentially affected States. A Governor of a State, usually through a designated agency or office, may invite potentially affected local government and pertinent State agencies to comment on the action. This designated agency or office is usually responsible for coordinating State and local responses by distributing the documents or information to the pertinent State agencies and local governments and submitting the responses to the Secretary of the Interior. The Secretary of the Interior may then incorporate the State's positions in making decisions on various lease sale options.

Exploration plans and development and production plans are sent to the potentially affected States for review and comment prior to the approvals granted by the Secretary of the Interior for the initiation of industry activity. The process for this review varies from State to State. In many States, the agency that responds to the postlease activities may be different from the one that responded to the prelease activities.

Thirteen Atlantic Coast States respond under section 307 of the Coastal Zone Management Act because they have an approved coastal zone management (CZM) program. (Currently, Virginia is developing an approvable coastal management program, and a draft document should be available for public review in mid-1984. At this time, Georgia is not participating in the CZM program process.) Section 307 mandates that such States review exploration plans and development and production plans, as well as all activities described in the plans, for consistency with approved State CZM programs. Upon concurrence by the State with the consistency determination, all activities described in detail can be approved. Tables 4 through 18 indicate the agencies in the Atlantic that are responsible for consistency determination review. These agencies usually

distribute the plans and coordinate the responses (either of concurrence or objection) to the consistency certification. If the State does not submit a concurrence or a written statement describing the status of review to the Secretary of the Interior within 3 months after receipt of the exploration plan or the development and production plan (section 307(c)(ii) and 15 CFR 930.79 of the Coastal Zone Management Act, as amended by section 504 of the OCS Lands Act), it is presumed that the State has no objection to the consistency determination, and MMS can approve the proposed industry activity. A decision by the State to object can only be overturned by an appeal to the Secretary of Commerce.

The four Federal programs described in chapter 4 also provide opportunities for State participation.

AUTONOMOUS STATE RESPONSIBILITIES FOR OCS-RELATED ACTIVITIES

State governments issue permits for various offshore-related activities in State waters, including the planning and construction of nearshore and onshore oil and gas facilities such as pipelines, terminals, refineries, and ports. Planning for and construction of these facilities usually occur during development and production phases of the Federal offshore leasing process described in chapter 3. Permits issued by State agencies in the Atlantic OCS Region also are listed in tables 4 through 18.

State CZM programs and coastal energy impact programs are important in planning for and mitigating the impacts of producing oil and gas from Federal waters. The agencies responsible for these programs are also listed in tables 4 through 18.

STATE AGENCY LISTINGS

State agencies involved in the offshore leasing process are presented in tables 4 through 18. In these tables, the responsibilities of State agencies that are directly related to the Federal leasing process are indicated by a **NOTE.** Space has been left available on the tables for other contacts and notes the reader may wish to record.

TABLE 4.—CONNECTICUT: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
CONNECTICUT HISTORICAL COMMISSION		
59 S. Prospect Street Hartford, CT 06106		
John W. Shannahan Director (203) 566-3005	o Designate archeologic and historic sites	
DEPARTMENT OF CONSUMER PROTECTION		
165 Capitol Avenue Hartford, CT 06106 (203) 566-4206		
Mary Hefflin Commissioner (203) 566-4999		
Well Drilling Board Raymond Jarema Director (203) 566-3275	o Issue permits: water well construction	
DEPARTMENT OF ECONOMIC DEVELOPMENT		
210 Washington Street Hartford, CT 06106 (203) 566-3787		
John J. Carson Commissioner (203) 566-3787		
Location Services Division James Musante Director (203) 566-4792	o Assist in port facilities siting	
DEPARTMENT OF ENVIRONMENTAL PROTECTION		
State Office Building 165 Capitol Avenue Hartford, CT 06106 (203) 566-2110		
Stanley J. Pac Commissioner (203) 566-2110		
Division of Conservation and Preservation Dennis P. DeCarli Deputy Commissioner (203) 566-4522	o Issue permits: geological and geophysical surveys on State property	
Air Compliance Unit Leonard Bruckman Director (203) 566-4030	o Issue permits: air quality	
Pesticides and Hazardous Materials Management Unit Steven W. Hitchcock Director (203) 566-5148	o Issue permits: hazardous waste handling and disposal o Prepare oil spill contingency plans	
Solid Waste Management Unit Charles Kurker Director (203) 566-5847	o Issue permits: solid waste handling and disposal	

TABLE 4.—CONNECTICUT: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Water Compliance Unit Robert E. Moore Director (203) 566-3245	o Issue permits: water use; deep port facilities; NPDES; wastewater treatment facility construction; sedimentation control; wastewater discharges	
Water Resources Unit Benjamin Warner Director (203) 566-7220	o Issue permits: dredge and fill; water impoundments; water use; deep port facilities; easements for spill, dredge	
Land Acquisition and Property Management Section Edward J. Daly Director (Acting) (203) 566-2904	o Acquire land for public purposes (Department of Environmental Protection only)	
Natural Resources Center Hugo Thomas Director and State Geologist (203) 566-3540	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Review geological and geophysical surveys on State property o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report o Administer Coastal Zone Management Program - approved September 1980 o Participate in CEIP	
Planning Coordination/ Coastal Management Unit Arthur T. Rocque Director (203) 566-7404	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Comment on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
CONNECTICUT SITING COUNCIL One Central Park Plaza New Britain, CT 06051		
Christopher S. Wood Executive Director (203) 827-2604	o Issue permits: energy facility siting; pipeline	
DEPARTMENT OF TRANSPORTATION 24 Wolcott Hill Road Wethersfield, CT 06109		
J. William Burns Commissioner (203) 566-3477	o Advise on transportation planning and facilities	
GOVERNOR'S OFFICE 210 Capitol Avenue Hartford, CT 06106		
William O'Neill Governor (203) 566-4840		
Jose Ramirez Deputy counsel	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	

TABLE 4.—CONNECTICUT: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
OFFICE OF POLICY AND MANAGEMENT 80 Washington Street Hartford, CT 06106-4459 Anthony V. Milano Secretary (203) 566-8070		
Comprehensive Planning Division Gary E. King Under Secretary (203) 566-4298		
Connecticut Intergovernmental Review System - State Clearinghouse J. William Morris State Clearinghouse Coordinator (203) 566-3410	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Distribute and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	
Coastal Energy Impact Program William Cox Senior Planning Analyst (203) 566-8397	o Participate in CEIP	
Energy Division B. Chase Under Secretary (Acting) (203) 566-2800	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 1. Call for information o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Craig Weatherby Planning Analyst (203) 566-8466	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Advise on RTWG regional environmental studies (ongoing)	
Energy Research Policy Joseph Balenger Director (203) 566-2046	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Participate in OCS Advisory Board and Policy Committee	

TABLE 5.—DELAWARE: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL 89 Kings Highway P.O. Box 1401 Dover, DE 19903 John E. Wilson, III Secretary (302) 736-4403 David Hugg Executive Assistant (302) 736-3091		
Division of Environmental Control Robert J. Touhey Director (Acting) (302) 736-4764	o Administer Coastal Zone Management Program - approved September 1979 o Participate in CEIP o Consistency certification and concurrence o Issue permits: industrial land use o Oversee energy facility siting **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Air Resources Section Robert R. French Manager (302) 736-4791	o Issue permits: air quality	
Water Resources Section Robert J. Touhey Manager (302) 736-5722	o Issue permits: wastewater facilities; pipelines; NPDES; water quality certificate; well construction; waste oil hauling	
Solid Waste Branch William Razor Branch Supervisor (302) 736-4781	o Issue permits: solid waste handling and disposal	
Wetlands Section William Moyer Manager (302) 736-4691	o Issue permits: dredge and fill; bulkheading; excavation; construction on wetlands and underwater lands; underwater lands leases	
DEPARTMENT OF TRANSPORTATION P.O. Box 778 Administration Center Transportation Administration Building Dover, DE 19903 Kermit H. Justice Secretary (302) 736-4303		
Utilities Section Charles Workman Utilities Engineer (Acting) (302) 736-4334	o Issue permits: oil-and-gas pipeline right-of-way	

TABLE 5.—DELAWARE: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DELAWARE GEOLOGICAL SURVEY 101 Penny Hall University of Delaware Newark, DE 19716 Robert R. Jordan State Geologist (302) 451-2833	o Studies of geologic framework related to resource potential NOTE: The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Participate in Regional Technical Working Group o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Review proprietary information in geological surveys and geophysical analyses (ongoing), according to section 26(d)(2)(e) o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment, distribute, and coordinate response for the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
GOVERNOR'S OFFICE Legislative Hall Dover, DE 19901 Pierre S. du Pont Governor (302) 736-4101 James Decker Chief of Staff	o Policy o Assignments o Overview	

TABLE 6.—FLORIDA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF COMMUNITY AFFAIRS Howard Building 2571 Executive Center, East Tallahassee, FL 32301 John M. DeGrove Secretary (904) 488-8466		
Division of Local Resource Management James Murley Director (904) 488-2356	o Administer regional impacts program for ports, oil-and-gas storage, industrial parks, electric transmission lines o Designate areas of critical State concern	
Office of Federal Coastal Programs Jim Quinn Administrator (904) 488-9210	o Administer CEIP o Coordinate State/local OCS program	
DEPARTMENT OF ENVIRONMENTAL REGULATION 2600 Blair Stone Road Twin Towers Office Building Tallahassee, FL 32301 Victoria Tschinkel Secretary (904) 488-4805		
Office of Coastal Management David Worley Administrator (904) 488-8614	o Administer Coastal Zone Management Program - approved September 1981 **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Division of Environmental Permitting Steve Fox Director (904) 488-0130	o Issue permits: industrial siting certificate; air quality; NPDES; water quality certificate; wastewater facilities; water well drilling; water impoundments; dredge and fill; hazardous waste handling and disposal; solid waste handling and disposal	
Division of Environmental Programs Howard Rhodes Director (904) 487-1855		
DEPARTMENT OF NATURAL RESOURCES 3900 Commonwealth Boulevard Tallahassee, FL 32303 Elton J. Gissendanner Executive Director (904) 488-1554		
Division of Marine Resources Edwin A. Joyce Director (904) 488-6058		
Bureau of Marine Science and Technology 100 Eighth Avenue, SE. St. Petersburg, FL 33701 Karen Steidinger Chief (813) 896-8626		

TABLE 6.—FLORIDA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Division of Beaches and Shores Deborah Flack Director (904) 488-3180	o Issue permits: shore protection structure o Enforce coastal construction setback line	
Division of Resource Management Charles W. Hendry, Jr. Director (904) 488-3177		
Bureau of Geology Gunter Building 903 W. Tennessee Street Tallahassee, FL 32306 Steve Windham (904) 488-4191	o Issue permits: oil and gas production facilities (e.g., pipelines, terminals)	
Division of State Lands James McFarland Director (904) 488-2725	o Issue permits: activities in State-owned submerged lands	
DEPARTMENT OF STATE The Capitol Tallahassee, FL 32301 George Firestone Secretary (904) 488-3680		
Division of Archives, History and Records Management Randall Kelley Director (904) 488-1480		
Bureau of Historic Sites and Properties 500 S. Bronough Street R. A. Gray Building Tallahassee, FL 32301 George Percy Chief (904) 487-2333	o Designate archeologic and historic sites o Issue permits: archeological and historical site disturbances	
GOVERNOR'S OFFICE The Capitol Tallahassee, FL 32301 Bob Graham Governor (904) 488-2272		
Office of Planning and Budgeting Room 415, Carlton Building Tallahassee, FL 32301-8047 John T. Herndon Director (904) 488-7810		
Natural Resources Policy Unit Room 404, Carlton Building Ken Woodburn Policy Coordinator (904) 488-5551 Elizabeth A. Herland	NOTE: The following responsibilities are directly related to the Federal leasing process: o Develop State policy and prepare State responses on Federal OCS oil and gas leasing and drilling initiatives o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Participate in Regional Technical Working Groups	

TABLE 6.—FLORIDA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
South Atlantic RTWG Representative and State Co-Chair (904) 488-5551 Deborah L. Tucker Gulf of Mexico RTWG (904) 488-5551	o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines o Chair Interagency OCS Advisory Committee, which comments on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
STATE UNIVERSITY SYSTEM OF FLORIDA Collins Building 107 W. Gaines Street Tallahassee, FL 32301 Barbara W. Newell Chancellor (904) 488-4234 **Florida Institute of Oceanography** 830 First Street, South St. Petersburg, FL 33701 William W. Behrens Director (813) 893-9100 Murice Rinkel Assistant Director State OCS Representative (813) 893-9100	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Advise on RTWG regional environmental studies (ongoing) o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	

TABLE 7.—GEORGIA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF NATURAL RESOURCES 270 Washington Street, SW. Atlanta, GA 30334		
J. Leonard Ledbetter Commissioner (404) 656-3500	o Issue permits: waterbottom uses and disturbances	
Coastal Resources Division 1200 Glynn Avenue Bruswick, GA 31523 Charles Dwayne Harris Director (912) 264-7218	NOTE: The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Coastal Fisheries Section Susan Shipman Chief (912) 264-7218	o Advise on aspects of offshore oil-and-gas development that may affect coastal fisheries	
OCS Program Henry Ansley (912) 264-7218	o Participate as alternates in Regional Technical Working Group	
Marsh and Beach Section Fred Marland Chief (912) 264-7365	o Issue permits: alterations to sand-sharing system; shoreline engineering structures; coastal marshlands	
Environmental Protection Division 270 Washington Street, SW. Atlanta, GA 30334 Harold F. Reheis Assistant Director (404) 656-4713		
Air Protection Branch Robert M. Collom Chief (404) 656-6900	o Issue permits: atmospheric emissions	
Land Protection Branch Harold Reheis Chief (404) 656-2833	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	
Water Protection Branch Gene B. Welsh Chief (404) 656-6593	o Issue permits; NPDES; water quality certificate; wastewater facility; surface and groundwater use; water supply	
Geologic Survey Branch 19 Martin Luther King, Jr. Drive, SW. Room 400 Atlanta, GA 30334 William McLemore State Geologist South Atlantic RTWG Member (404) 656-3214	o Participate on OCS Policy Committee NOTE: The following responsibilities are directly related to the Federal leasing process: o Coordinate DNR response on MMS's OCS Oil and Gas Information Program (ongoing) o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Review proprietary information in geological surveys and geophysical analyses (ongoing), according to section 26(d)(2)(e) o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 5. Proposed notice of lease sale	

TABLE 7.—GEORGIA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
	o Comment and coordinate DNR response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Parks, Recreation, and Historic Sites Division 270 Washington Street, SW. Room 701 Atlanta, GA 30334 Henry D. Struble Director		
State Preservation Section Elizabeth Lyon (404) 656-2840	o Designate archeologic and historic sites	
DEPARTMENT OF TRANSPORTATION		
2 Capitol Square Atlanta, GA 30334 Thomas D. Moreland Commissioner (404) 656-5206	o Advise on transportation planning and associated facilities	
GOVERNOR'S OFFICE		
State Capitol Room 203 Atlanta, GA 30334 Joe Frank Harris Governor (404) 656-1776		
Office of Planning and Budget 270 Washington Street, SW. Atlanta, GA 30334 Clark Stevens Director (404) 656-3820		
Management Review Division Chuck Badger Administrator (404) 656-3855	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Comment on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	
Division of Physical and Economic Development Lowell Evjen Director (404) 656-3861		

TABLE 8.—MAINE: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF CONSERVATION State House Station 22 Augusta, ME 04333 Richard B. Anderson Commissioner (207) 289-2211		
Bureau of Public Lands Robert Gardiner Director (207) 289-3061	o Acquire land for public purposes o Lease and sale of State lands (including submerged lands)	
Geological Survey Walter [illegible]derson Director State Geologist (207) 289-2801	NOTE: The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Review geological and geophysical aspects of EISs, ERs, EAs	
DEPARTMENT OF ENVIRONMENTAL PROTECTION State House Station 17 Augusta, ME 04333		
Henry E. Warren Commissioner (207) 289-2811	o Issue permits: sand dunes; dredge and fill; water impoundments; development in areas of environmental concern; easements for spill, dredge NOTE: The following responsibilities are directly related to the Federal leasing process: o Review and comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Division of Public Assistance Rupert Neily Director (207) 289-2651	o Coordinate consistency reviews for OCS issues within the scope of the department o Primary OCS contact for department	
Bureau of Air Quality Control David Dixon Director (Acting) (207) 289-2437	o Issue permits: air quality	
Bureau of Land Quality Control Hollis McGlauflin Director (207) 289-2111	o Issue permits: hazardous waste handling and disposal; solid waste handling and disposal	
Bureau of Oil and Hazardous Materials Control John Brochu Director (207) 289-2651		
Bureau of Water Quality Control Stephen W. Groves Director (207) 289-3355	o Issue permits: NPDES; water quality certificate; wastewater facility construction; sedimentation control	

TABLE 8.—MAINE: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF MARINE RESOURCES State House Station 21 Augusta, ME 04333 Spencer Apollonio Commissioner (207) 289-2291		
Bureau of Marine Sciences McKown Point W. Boothbay Harbor, ME 04575 Richard Langton Director (207) 633-5572	o Conduct marine research including some that may have bearing on oil-and-gas development **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF TRANSPORTATION Transportation Building State House, Station 16 Augusta, ME 04333 Dana F. Connors Commissioner (207) 289-2551	o Advise on transportation planning and facilities	
Bureau of Transportation Services William Fernald Director (207) 289-2841		
Ports and Marine Transportation Division Robert Elder Director (207) 289-2841	o Advise on port facilities	
GOVERNOR'S OFFICE State House, Station 1 Augusta, ME 04333 Joseph E. Brennan Governor (207) 289-3331		
State Planning Office 184 State Street State House Station 38 Augusta, ME 04333 Richard E. Barringer Director (207) 289-3261	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 1. Call for information	

TABLE 8.—MAINE: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
	o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 6. Notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines 15. Production o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Charles Colgan OCS Coordinator (207) 289-3261	o Participate in OCS Policy Committee o Serve on RTWG Committee	
Coastal Management Program David Keeley Senior Planner (207) 289-3261	o Administer Coastal Zone Management Program - approved September 1978 o Participate in CEIP o Designate areas of particular concern	
Inter-governmental Review Process Harold Kimball Coordinator (207) 289-3154	NOTE: The following responsibilities are directly related to the Federal leasing process: o Distribute and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	

TABLE 9.—MARYLAND: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT 45 Calvert Street Annapolis, MD 21401 Frank J. DeFrancis Secretary (301) 269-3382		
Maryland Historical Trust 21 State Circle Annapolis, MD 21401 J. Rodney Little Director (301) 269-2851	o Designate archeologic and historic sites	
DEPARTMENT OF HEALTH AND MENTAL HYGIENE O'Connor Building 5th Floor 201 W. Preston Street Baltimore, MD 21201 Adele Wilzack Secretary (301) 383-2600		
Environmental Programs William M. Eichbaum Assistant Secretary (301) 383-7328	o Issue permits: air quality; NPDES; water use; hazardous waste handling and disposal; solid waste handling and disposal, water quality certificate	
DEPARTMENT OF NATURAL RESOURCES Tawes State Office Building 580 Taylor Avenue Annapolis, MD 21401 Torrey C. Brown Secretary (301) 269-3041		
Capital Programs Administration Fred L. Eskew Assistant Secretary (301) 269-3947	o Issue shore erosion control loans o Acquire land for public purposes	
Geological Survey The Rotunda 711 W. 40th Street Suite 440 Baltimore, MD 21211 Kenneth N. Weaver Director (301) 338-7068	o Designate archeologic and historic sites **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Environmental Geology and Mineral Resources Program Kenneth A. Schwarz Program Chief (301) 338-7110	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Advise on RTWG regional environmental studies (ongoing)	

TABLE 9.—MARYLAND: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Tidewater Administration Tawes State Office Building 580 Taylor Avenue Annapolis, MD 21401 L. E. Zeni Administrator (301) 269-2926		
Coastal Resources Division Sarah Taylor Director (301) 269-2784	o Administer Coastal Zone Management Program - approved September 1978 o Issue permits: oil-and-gas use, storage, disposal, processing facilities, and transfer facilities; dredge and fill o Direct coastal project evaluation process o Participate in CEIP **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment and coordinate department's response on proposed OCS oil-and-gas leasing schedule o Comment and coordinate department's response on geology reports o Comment and coordinate department's response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 5. Proposed notice of lease sale o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Coastal Resources Advisory Committee Angela Hudgins Chairperson (301) 396-4343	o Provide citizen's advisory body to the Maryland Coastal Zone Management Program o Comment and advise on issues related to CZM and OCS activities	
Water Resources Administration James W. Peck Director (301) 269-3382	o Regulate flood plain protection o Regulate stream alteration o Regulate sedimentation control	
DEPARTMENT OF STATE PLANNING 301 W. Preston Street Baltimore, MD 21201 Constance Lieder Secretary (301) 383-2450		
Intergovernmental Review Process Guy W. Hager (301) 383-7875	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Distribute and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	
Comprehensive Policy Planning Division Schribnor Scheafor Assistant Secretary (Acting) (301) 383-5680	o Designate areas of particular concern	

TABLE 9.—MARYLAND: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF TRANSPORTATION P.O. Box 8755 BWI Airport, MD 21240 Lowell K. Bridwell Secretary (301) 859-7397		
Maryland Port Administration World Trade Center Baltimore, MD 21202 W. Gregory Halpin Port Administrator (301) 659-4500	o Advise on creation and improvement of port facilities	
State Highway Administration 707 North Calvert Street Baltimore, MD 21202 M. Slade Caltrider Administrator (301) 659-1111	o Advise on transportation planning and facilities	
GOVERNOR'S OFFICE State House Annapolis, MD 21404 Harry Hughes Governor (301) 269-3901		
Ellen L. Fraites Executive Assistant Room 217, State House (301) 269-3091	o Participate in OCS Policy Committee NOTE: The following responsibilities are directly related to the Federal leasing process: o Proprietary review, according to section 26(d)(2)(e), of ongoing geological surveys and geophysical analyses o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 5. Proposed notice of lease sale o Comment on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	

TABLE 10.—MASSACHUSETTS: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
ENVIRONMENTAL AFFAIRS 100 Cambridge Street Boston, MA 02202		
James S. Hoyte Secretary (617) 727-9800	o Designate areas of "critical environmental concern" NOTE: The following responsibilities are directly related to the Federal leasing process: o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale	
Coastal Zone Management Office Richard F. Delaney Director (617) 727-9530	o Participate in OCS Policy Committee o Administer Coastal Zone Management Program - approved April 1978 o Advise on port facilities	
Patricia Hughes OCS Coordinator (617) 727-9530	NOTE: The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement o Federal consistency review of the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Coastal Resources Advisory Board Barbara Fegan Chairperson (617) 727-9530		
Sandra Sandiford Public Information Officer (617) 727-9530	o Supply public information related to the coastal zone	
Department of Environmental Management James Gutensohon Commissioner (617) 727-3163		
Office of Planning and Development Robert L. Yaro Deputy Commissioner (617) 727-3160		
Bureau of Solid Waste Disposal L. James Miller Director (617) 727-3260	o Issue permits: solid waste handling and disposal	
Division of Water Resources Charles F. Kennedy Director Chief Engineer (617) 727-3267	o Issue permits: water well construction	
Department of Land Acquisition and Construction Daniel O'Brien Director (617) 727-3174	o Lease or sale of State lands o Issue easements	

TABLE 10.—MASSACHUSETTS: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Division of Waterways John Hannon Director (617) 727-8893	o Construction in any State waterways	
Department of Environmental Quality Engineering 1 Winter Street 9th Floor Boston, MA 02108 Anthony D. Cortese Commissioner (617) 292-5504		
Division of Air Quality Control Kenneth Hagg Director (617) 292-5593	o Issue permits: air quality	
Division of Hazardous Wastes William Cass Director (617) 292-5589	o Issue permits: hazardous waste handling and disposal	
Division of Wetlands and Waterways Rod Gaskell Director (617) 292-5695	o Issue licenses and permits: sedimentation control; dredge and fill	
Division of Water Pollution Control Thomas C. McMahon Director (617) 292-5646	o Issue permits: dredge and fill; NPDES; water quality certificate; wastewater facility construction	
Division of Water Supply Ilyas Bhatti Director (617) 292-5765	o Issue permits: water use	
State Geologist Joseph Sinnott (617) 292-5690	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	
DEPARTMENT OF PUBLIC WORKS 10 Park Plaza, 3rd Floor Boston, MA 02116 Robert T. Tierney Commissioner (617) 727-4800		
Bureau of Transportation Planning and Development Michael D. Meyer Director (617) 727-5120	o Advise on transportation planning and facilities	
ENERGY FACILITIES SITING COUNCIL 100 Cambridge Street Room 1505 Boston, MA 02202		
Charles McMillan Executive Director (617) 727-1136	o Issue permits: oil-and-gas facility siting o Advise on oil and gas activities **NOTE:** The following responsibility is directly related to the Federal leasing process: o Comment on the following step in the OCS leasing process (step number corresponds to chapter 3): 14. Pipelines	

TABLE 10.—MASSACHUSETTS: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
METROPOLITAN DISTRICT COMMISSION 20 Somerset Street Boston, MA 02108 William Geary Commissioner (617) 727-5114	o Issue easements, leases, and conduct sale of State land (Boston metropolitan area) o Acquire land for public purposes (Boston metropolitan area)	
OFFICE OF COMMUNITIES AND DEVELOPMENT Room 1404 100 Cambridge Street Boston, MA 02202 Amy S. Anthony Secretary (617) 727-7765 **A-95 Clearinghouse** Room 904 100 Cambridge Street Beverly Boyle (617) 727-3253 Director	NOTE: The following responsibilities are directly related to the Federal leasing process: o Distribute and coordinate response on the following step in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement	
OFFICE OF ENERGY RESOURCES Room 1500 100 Cambridge Street Boston, MA 02202 Sharon M. Pollard Secretary (617) 727-4732	NOTE: The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 5. Proposed notice of lease sale 11. Development and production plan and environmental report o Proprietary review, according to section 26(d)(2)(e), of geological surveys and geophysical analyses (ongoing)	
GOVERNOR'S OFFICE Executive Office State House Boston, MA 02133 Michael S. Dukakis Governor (617) 727-3600 John F. Kerry Lieutenant Governor (617) 727-7200	NOTE: The following responsibilities are directly related to the Federal leasing process: o Section 19 OCSLA comments o Comment on the following step in the OCS leasing process (step number corresponds to chapter 3): 1. Call for information	
MASSACHUSETTS HISTORICAL COMMISSION 294 Washington Street Boston, MA 02108 Valerie Talmage Director State Historic Preservation Officer (617) 727-8470	o Designate archeologic and historic sites	

TABLE 11.—NEW HAMPSHIRE: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
AIR RESOURCES AGENCY		
Health and Welfare Building Hazen Drive Concord, NH 03301		
William C. Stephan Chairperson (603) 271-4581	o Issue permits: air quality	
Dennis R. Lunderville Director (603) 271-4581		
DEPARTMENT OF HEALTH AND WELFARE		
Health and Welfare Building Hazen Drive Concord, NH 03301		
Sylvio L. Dupius Commissioner (603) 271-4331		
Public Health Services **Waste Management Division** Brian Strohm Assistant Director for Waste Management (603) 271-4608		
Bureau of Solid Waste Management Thomas L. Sweeney Chief (603) 271-4586	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS		
Hazen Drive P.O. Box 483 Concord, NH 03301		
John A. Clements Commissioner (603) 271-3734	o Issue permits: geological and geophysical surveys on State land o Advise on transportation planning and facilities	
DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT		
Box 856 Concord, NH 03301		
(Vacant) Commissioner (603) 271-2411		
Historic Preservation Office Linda Ray Wilson Director (603) 271-3483	o Designate archeologic and historic sites	
State Geologist Earth Sciences James Hall, Room 117 University of New Hampshire Durham, NH 03824 Lincoln Page (603) 862-1216	NOTE: The following responsibility is directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	

TABLE 11.—NEW HAMPSHIRE: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF REVENUE ADMINISTRATION		
61 S. Spring Street Concord, NH 03301		
David J. Power Commissioner (603) 271-2191	o Issue permits: oil and gas products use and sale	
ENERGY FACILITIES EVALUATION COMMITTEE		
Health and Welfare Building Hazen Drive Concord, NH 03301		
William A. Healy Chairperson (603) 271-3503	o Issue permits: oil-refining facilities	
GOVERNOR'S OFFICE		
Room 208-214 State House Concord, NH 03301		
John H. Sununu Governor (603) 271-2121		
Special Appointed Official	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Review proprietary information in ongoing geological surveys and geophysical analyses, according to section 26(d)(2)(e)	
Executive Council of New Hampshire Room 207, Council Chambers State House Concord, NH 03301 (603) 271-3632	o Lease and sale of State land o Acquire land for public purposes	
Office of State Planning 2½ Beacon Street Concord, NH 03301 David G. Scott Director (Acting) (603) 271-2155	o Designate areas of particular concern **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following step in the OCS leasing process: 1. Call for information o Comment on the following steps in the OCS leasing process: 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines o Comment and coordinate response on the following step in the OCS leasing process: 5. Proposed notice of lease sale	
Coastal Zone Management Program James McLaughlin Senior Planner (603) 271-2155	o Direct all coastal programs o Administer Coastal Zone Management Program - ocean and harbor segment approved June 1982 o Direct CEIP **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Consistency certification and concurrence on the following steps in the OCS leasing process: 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	

TABLE 11.—NEW HAMPSHIRE: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
OCS Program Chris Simmers (603) 271-2155	NOTE: The following responsibilities are directly related to the Federal leasing process: o Chairman of the Regional Technical Working Group o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment on the following steps in the OCS leasing process: 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report	
Intergovernmental Review Process Herb Whiting (603) 271-2155	o Coordinate Federal funds o Distribute and coordinate response on the following step in the OCS leasing process: 3. Draft environmental impact statement	
PUBLIC UTILITIES COMMISSION 8 Oldsuncook Road Building #1 Concord, NH 03301		
Paul McQuade Chairperson (603) 271-2431	o Regulate all natural gas activities o Acquire land for gas pipelines	
WATER RESOURCES BOARD 37 Pleasant Street Concord, NH 03301		
Delbert F. Downing Chairperson (603) 271-3406	o Issue permits: water impoundments	
Wetlands Board Delbert Downing Chairperson (603) 271-2147	o Issue permits: dredge and fill	
WATER SUPPLY AND POLLUTION CONTROL COMMISSION Hazen Drive P.O. Box 95 Concord, NH 03301		
William A. Healy Executive Director (603) 271-3503	o Prepare oil spill contingency plans o Issue permits: NPDES; water quality certificate; wastewater facility construction; water well construction; sedimentation control; water use	

TABLE 12.—NEW JERSEY: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF ENERGY 101 Commerce Street Room 204 Newark, NJ 07102 Leonard S. Coleman, Jr. Commissioner (201) 648-2017	o Work with local authorities for pipeline easements and permits	
Division of Planning and Engineering Bharat C. Patel Director (201) 648-6289	NOTE: The following responsibilities are directly related to the Federal leasing process: o Consistency review and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF ENVIRONMENTAL PROTECTION Labor and Industry Building CN 402 Trenton, NJ 08625 Robert E. Hughey Commissioner (609) 292-2885		
Planning Group Lawrence Schmidt Director (Acting) (609) 292-2662	NOTE: The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Comment and distribute information on MMS's OCS Oil and Gas Information Program o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond with chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report	
Division of Coastal Resources CN 401 John Weingart Director (Acting) (609) 292-2795	o Issue permits: consistency with Coastal Area Facility Review Act (CAFRA), CZM Program, and land-use determinations; housing developments of 25 or more units within coastal areas; energy facilities; major coastal industrial projects; waterfront development activities such as docks, piers, wharves and pipelines; activities in narrow upland area of the built-up coastal zone; dredge and fill; disturbances to coastal wetlands NOTE: The following responsibilities are directly related to the Federal leasing process: o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Division of Environmental Quality Room 1109 CN 027 Trenton, NJ 08625 Steven Kurtz Director (609) 292-5383	o Issue permits: air quality	

TABLE 12.—NEW JERSEY: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Division of Water Resources 1474 Prospect Avenue CN 029 Trenton, NJ 08625 John Gaston Director (609) 292-1637	o Issue permits: NPDES; water quality certificate	
Office of New Jersey Heritage Room 707 CN 402 Trenton, NJ 08625 Suzanne C. Hand Chief (609) 292-2023	o Review archeologic and historic site evaluations	
Division of Waste Management 32 E. Hanover Street Trenton, NJ 08625 Marwan M. Sadat Director (609) 292-9120		
Bureau of Licenses and Permits Edward J. Londres Assistant Director Tony Cavalier Bureau Chief (609) 292-5196	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	
Geological Survey CN 029 Trenton, NJ 08625 Haig F. Casabach Deputy State Geologist (609) 292-2576	o Review geologic aspects of proposed OCS activities	
GOVERNOR'S OFFICE		
State House 125 West State Street Trenton, NJ 08625 Thomas H. Kean Governor (609) 292-6000		
Special Appointed Official	NOTE: The following responsibility is directly related to the Federal leasing process: o Proprietary review, according to section 26(d)(2)(e), of geological surveys and geophysical analyses (ongoing)	
RUTGERS UNIVERSITY CENTER FOR COASTAL AND ENVIRONMENTAL STUDIES		
Doolittle Hall Busch Campus New Brunswick, NJ 08903 Norbert Psuty Director (201) 932-3738	NOTE: The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Advise on RTWG regional environmental studies (ongoing)	

TABLE 13.—NEW YORK: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION 50 Wolf Road Albany, NY 12233 Henry G. Williams Commissioner (518) 457-3446		
Division of Mineral Resources Room 202 Gregory H. Sovas Director (518) 457-9337	o Administer OCS Program o Administer Oil, Gas, and Solution Mining Program o Administer leasing of State lands	
OCS Section John Harmon Assistant Director Resource Management and Development Bureau (518) 457-9633	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Participate in Regional Technical Working Group (North and Mid-Atlantic) o Nonproprietary comment on geologic surveys and geophysical analyses (ongoing) o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Division of Air Harry H. Hovey, Jr. Director (518) 457-7230	o Issue permits: air quality control	
Division of Fish and Wildlife Kenneth F. Wich Director (518) 457-3690	o Review plans and permit applications for development of energy resources o Protect habitats of endangered species through acquisition, education, and cooperative agreement o Perpetuate fish and wildlife as part of the various ecosystems of the State	
Division of Marine and Coastal Resources Building 40 State University of New York Stony Brook, NY 11794 Gordon Colvin Director (516) 751-7900, ext. 271	o Issue permits: development or alterations in tidal wetlands o Acquire tidal wetlands o Monitor water quality in shellfish waters o Manage department-owned tidal wetlands	
Division of Regulatory Affairs Louis M. Concra Director (518) 457-7418	o Issue permits: water quality certificate; wetlands; dredge and fill; alteration of stream banks; dams, docks, and bulkheads; flood plain development; water supply; LNG facilities o Conduct energy planning and coordination	
Division of Solid and Hazardous Waste Norman H. Nosenchuck Director (518) 457-6603	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	
Division of Water Daniel Barolo Director (518) 457-6674	o Issue permits: NPDES, water quality certificate o Approve wastewater facility plans	

TABLE 13.—NEW YORK: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF PUBLIC SERVICE Agency Building 3 Empire State Plaza Albany, NY 12223 Paul L. Gioia Chairperson (518) 474-2530		
Gas Division John Zekoll Director (518) 474-5441	o Safety certification of liquid petroleum pipelines o Safety certification of intrastate gas pipelines	
DEPARTMENT OF STATE 162 Washington Avenue Albany, NY 12231 Gail S. Schaffer Secretary (518) 474-4750		
Coastal Management Program Unit George Stafford Coastal Program Administrator (518) 474-3643	o Administer Coastal Zone Management Program - approved September 1982 o Participate in CEIP o Designate areas of particular concern **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF TRANSPORTATION State Campus 1220 Washington Avenue Albany, NY 12232 James L. Larocca Commissioner (518) 457-4422		
Oil Spill Prevention and Control Bureau Michael P. Clark Director (518) 457-2215	o License operators of major petroleum facilities o Prepare oil-spill contingency plans	
EDUCATION DEPARTMENT State Education Building Washington Avenue Albany, NY 12234 Gordon Ambach Commissioner (518) 474-5844		
Geological Survey Empire State Plaza Cultural Education Center Albany, NY 12230 Robert H. Fakundiny State Geologist (518) 474-5816	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	

TABLE 13.—NEW YORK: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
GOVERNOR'S OFFICE		
State Capitol Albany, NY 12224 Mario Cuomo Governor (518) 474-8390		
Special Appointed Official	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Proprietary review, according to section 26(d)(2)(e), on ongoing geological and geophysical analysis	
OFFICE OF GENERAL SERVICES		
Empire State Plaza Tower Building Albany, NY 12242 John C. Egan Commissioner (518) 474-5982		
Division of Land Utilization Joseph F. Stellato Director (518) 474-4944	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Issue leases, easements, and licenses: dredging, bulkheads, structures, pipelines, cables, etc.	
OFFICE OF PARKS, RECREATION, AND HISTORIC PRESERVATION		
Agency Building 1, 20th Floor Empire State Plaza Albany, NY 12238 Orin Lehman Commissioner (518) 474-0443		
Planning and Operations Ivan Vamos Deputy Commissioner (518) 474-0449		
Historic Preservation Julie Stokes Deputy Commissioner Deputy State Historic Preservation Officer (518) 474-0468	o Designate archeologic and historic sites	
PORT AUTHORITY OF NEW YORK AND NEW JERSEY		
1 World Trade Center New York, NY 10048 Peter C. Goldmark, Jr. Executive Director (212) 466-7271	o Issue permits: dams and docks; dredge and fill in navigable waters	

TABLE 14.—NORTH CAROLINA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF ADMINISTRATION Administration Building 116 W. Jones Street Raleigh, NC 27611 Jane S. Patterson Secretary (919) 733-7232		
Office of Marine Affairs 417 N. Blount Street Raleigh, NC 27611 J. C. Jones Director (919) 733-2290	NOTE: The following responsibilities are directly related to the Federal leasing process: o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Policy development for State regarding Federal leasing process o Administrative unit for State OCS Task Force	
OCS Task Force Donna Moffitt Marine Policy and Legal Specialist/Task Force Chair (919) 733-2290	o Participate in interagency task force NOTE: The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Groups (South and Mid-Atlantic) o Alternate for OCS Policy Committee o Nonproprietary comment on geological and geophysical analysis (ongoing) o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Administer interagency task force and coordinate review and comment responsibilities with interagency task force, local government, Federal Government, Governor's office, and private citizens o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale o Comment and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Office of State Property 116 W. Jones Street Raleigh, NC 27611 Charles L. Holliday Director (Acting) (919) 733-4346	o Lease and sale of State lands o Issue easements for pipelines, etc. o Acquire land for public purposes	
DEPARTMENT OF COMMERCE Dobbs Building 430 N. Salisbury Street Raleigh, NC 27611 C.C. Hope, Jr. Secretary (919) 733-4962		
Energy Division Doug Culbreth Director (919) 733-2230		
Port Authority William M. A. Greene Executive Director (919) 733-4962	o Advise on ports	

TABLE 14.—NORTH CAROLINA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF CULTURAL RESOURCES		
Archives and History Building 09 E. Jones Street Raleigh, NC 27611 ara Hodgkins ecretary 919) 733-4867		
Division of Archives and History William S. Price Director (919) 733-7305	o Designate archeologic and historic sites	
DEPARTMENT OF HUMAN RESOURCES		
Albemarle Building 25 N. Salisbury Street Raleigh, NC 27611 arah T. Morrow ecretary 919) 733-4534		
Division of Health Services Cooper Memorial Building 225 N. McDowell Street P.O. Box 2091 Raleigh, NC 27602-2091 Ronald H. Levine Director (919) 733-3446		
Solid and Hazardous Waste Management Branch O.W. Strickland Head (919) 733-2178	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	
Water Supply Branch Charles Rundgren Head (919) 733-2321	o Issue permits: surface impoundments	
DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT		
.O. Box 27687 aleigh, NC 27611 ames A. Summers ecretary 919) 733-4984		
Division of Environmental Management Robert Helms Director (919) 733-7015	o Issue permits: "complex source" (major development); oil refinery facilities; air quality; NPDES; water quality certificate; wastewater facility construction; water use; well water construction	
Division of Land Resources Steve Conrad Director State Geologist (919) 733-3833	o Issue permits: geological and geophysical surveys; sedimentation control **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Task Force o Participate in OCS Policy Committee o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Review proprietary information in geological surveys and geophysical analyses (ongoing), according to section 26(d)(2)(e)	

TABLE 14.—NORTH CAROLINA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
	o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Office of Coastal Management David Owens Director (919) 733-2293	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report	
Consistency Coordinator Daniel Small (919) 733-2293	o Participate in State OCS Task Force **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Coastal Resources Commission David Owens Secretary (919) 733-2293	o Issue permits: "areas of environmental concern" o Designate "areas of environmental concern" o Consult on all permit renewals o Administer Coastal Zone Management Program - approved September 1978	
DEPARTMENT OF TRANSPORTATION P.O. Box 25201 Raleigh, NC 27611 William R. Roberson, Jr. Secretary (919) 733-2520	o Advise on transportation planning and facilities	
GOVERNOR'S OFFICE State Capitol Building Raleigh, NC 27611 James B. Hunt Governor (919) 733-5811		
Office of Management and Budget Administration Building 116 W. Jones Street Raleigh, NC 27611 John A. Williams Director (919) 733-7061 (Administration Building) (919) 733-5043 (Capitol Building)		
State Clearinghouse Chrys Baggett Director (919) 733-4131	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Distribute and coordinate public response on the folliwng steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report o Coordinate distribution in the following step in the OCS leasing process: 4. Final environmental impact statement	

TABLE 15.—PENNSYLVANIA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF COMMUNITY AFFAIRS Room 317 Forum Building Harrisburg, PA 17120 Shirley M. Dennis Secretary (717) 787-7160		
Bureau of Community Planning Dallas A. Dollase Director (717) 787-7400		
Coastal Energy Impact Program J. Wilson Bartley Chief (717) 787-7401	o Direct CEIP	
DEPARTMENT OF ENVIRONMENTAL RESOURCES P.O. Box 2063 Harrisburg, PA 17120 Nicholas DeBenedictis Secretary (717) 787-2814		
Environmental Protection R. Harry Bittle Deputy Secretary (717) 787-5027		
Bureau of Air Quality Control James K. Hambright Director (717) 787-9702	o Issue permits: air quality control	
Bureau of Solid Waste Management Donald A. Lazarchik Director (717) 787-9870	o Issue permits: solid waste handling and disposal; sewage sludge	
Division of Hazardous Waste Management Gary Galida Chief (717) 787-7381	o Issue permits: hazardous waste handling and disposal	
Bureau of Water Quality Management Louis W. Bercheni Director (717) 787-2666	o Issue permits: NPDES; water supply; sewage; industrial wastes; water quality certificate	
Office of Resources Management P.O. Box 1467 Patrick J. Solano Deputy Secretary (717) 787-2869	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Participate in OCS Policy Committee	
Bureau of Water Resources Management John E. McSparran Director (717) 787-6750		

TABLE 15.—PENNSYLVANIA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Division of Coastal Zone Management E. James Tabor Chief (717) 783-9500	o Administer Coastal Zone Management Program - approved September 1980 **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Bureau of Dams and Waterway Management P.O. Box 2357 Gilbert E. Kyle Director (717) 783-1384	o Issue permits: dredge and fill; dams; encroachments in water or flood plains o Issue leases and easements for river bottoms o License dredging, filling, and structures in navigable waters o Regulate wharves, piers, bulkheads, docks, and slips	
Bureau of Soil and Water Conservation Paul Swartz Director (717) 787-5267	o Review soil erosion and sedimentation control plans o Issue permits	
Bureau of Topographic and Geologic Survey Arthur Socolow Director (717) 787-2169	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Advise on RTWG environmental studies (ongoing) o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 5. Proposed notice of lease sale o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF LABOR AND INDUSTRY Labor and Industry Building Seventh and Foster Streets Room 1700 Harrisburg, PA 17120 Barry H. Stern Secretary (717) 787-3756		
Bureau of Labor Standards Room 1404 Stephen L. Patrick Director (717) 787-4670	o Set safety standards for all structures	

TABLE 15.—PENNSYLVANIA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF TRANSPORTATION		
1200 Transportation and Safety Building Harrisburg, PA 17120		
Thomas D. Larson Secretary (717) 787-5574	o Issue permits: rights-of-way; access to highways	
GOVERNOR'S OFFICE		
Room 225 Main Capitol Building Harrisburg, PA 17120		
Richard Thornburgh Governor (717) 787-2500		
Special Appointed Official	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Proprietary review, according to section 26(d)(2)(e), of geological surveys and geophysical analyses (ongoing)	
Administrative Assistant	**NOTE:** The following responsibility is directly related to the Federal leasing process: o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing)	
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION		
P.O. Box 1026 Harrisburg, PA 17108		
Larry E. Tise Executive Director (717) 787-2891		
Bureau for Historic Preservation Brenda Barrett Director (717) 787-4363	o Designate archeologic and historic sites	

TABLE 16.—RHODE ISLAND: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
COASTAL RESOURCES CENTER		
Division of Marine Resources University of Rhode Island Narragansett, RI 02882 Stephen Olsen Director (401) 792-6224	o Advise on coastal management **NOTE:** The following responsibility is directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	
COASTAL RESOURCES MANAGEMENT COUNCIL		
60 Davis Street Providence, RI 02908 John A. Lyons Chairperson (401) 277-2476	o Implement Coastal Zone Management Program - approved May 1978 o Designate "areas of particular concern" o Issue permits: dredge and fill; hazardous waste handling and disposal; sedimentation control; energy facility siting; oil refineries; pipelines; water improvements; construction of any major development; any physical alteration within 200 feet of mean high water **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geologic surveys and geophysical analyses (ongoing) o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF ADMINISTRATION		
Room 118 State House Providence, RI 02903 Don H. Rohser Director (401) 277-2280		
A-95 Clearinghouse 265 Melrose Street Providence, RI 02907 Michael Marfeo Review Coordinator (401) 277-2656	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Distribute and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	
DEPARTMENT OF ECONOMIC DEVELOPMENT		
7 Jackson Walkway Providence, RI 02903 Norton L. Berman Director (401) 277-2601	o Acquire land for public purposes	
Rhode Island Port Authority (401) 277-2601, ext. 12	o Issue permits: activities at Davisville/Quonset Point; deep port facilities o Advise on port facilities	

TABLE 16.—RHODE ISLAND: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT 83 Park Street Providence, RI 02903		
Robert L. Bendick, Jr. Director (401) 277-2771	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary comment on geological surveys and geophysical analyses (ongoing)	
Division of Air and Hazardous Materials Room 204, Cannon Building 75 Davis Street Providence, RI 02908 Barry Muller Chief (401) 277-2808	o Issue permits: air quality; solid waste handling and disposal; hazardous waste handling and disposal	
Division of Coastal Resources 60 Davis Street Providence, RI 02908 James Beattie Chief (401) 277-2476	o Provides administrative support to Coastal Resources Management Council	
Division of Land Resources 38 State Street Providence, RI 02908 Peter Janaros Chief (401) 277-6820	o Issue permits: sedimentation control	
Division of Water Resources Room 209, Cannon Building 75 Davis Street Providence, RI 02908 James Fester Chief (401) 277-2234	o Issue permits: NPDES; water quality certificate; wastewater facility construction; dredge and fill; oil spill monitoring and contingency plans	
DEPARTMENT OF TRANSPORTATION Room 210 State Office Building 101 Smith Street Providence, RI 02903		
W. Edward Wood Director (401) 277-2481	o Advise on transportation planning and facilities	
GOVERNOR'S ENERGY OFFICE 72 Orange Street Providence, RI 02903	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines o Comment and coordinate response on the following step in the OCS leasing process (step number corresponds to chapter 3): 3. Draft environmental impact statement	
Roger L. Buck Director (401) 277-3370		

TABLE 16.—RHODE ISLAND: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Coastal Energy Impact Program/ OCS State Participation Program Bruce Vild CEIP/OCS Coordinator (401) 277-3500	o Participate in CEIP o Administer OCS State participation program o Responsible for all oil- and gas-related activities **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Advise on RTWG regional environmental studies (ongoing)	
GOVERNOR'S OFFICE State House Executive Chambers Providence, RI 02903 J. Joseph Garrahy Governor (401) 277-2080		
Policy Office Maureen E. Massiwer Director		
Dante Ionata Principal Policy Associate (401) 277-2080	o Administer Coastal Zone Management Program - approved May 1978 **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing)	
HISTORICAL PRESERVATION COMMISSION 150 Benefit Street Providence, RI 02903		
Edward F. Sanderson Executive Director Deputy State Historic Preservation Officer Frederick C. Williamson State Historic Preservation Officer (401) 277-2678	o Designate archeologic and historic sites	
STATE PROPERTIES COMMITTEE 301 Promenade Street Providence, RI 02908		
Dennis M. Lynch Chairperson (401) 277-2321	o Lease and sale of State land o Issue permits: geological and geophysical surveys	
WATER RESOURCES BOARD 265 Melrose Street Providence, RI 02907		
Peter P. Calise General Manager (Acting) (401) 277-2217	o Issue permits: water well construction; water use; water impoundments	

TABLE 17.—SOUTH CAROLINA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
BUDGET AND CONTROL BOARD P.O. Box 12444 Columbia, SC 29211 William T. Putnam Executive Director (803) 758-5606		
Property Management 1203 Gervais Street Charles Small Manager (803) 758-7444	o Lease and sale of State land o Issue easements for pipelines	
Division of General Services 300 Gervais Street Columbia, SC 29201 Tony R. Ellis Director (803) 758-0208		
Division of Research and Statistical Services 1000 Assembly Street Rembert C. Dennis Building P.O. Box 11368 Columbia, SC 29201 Bobby M. Bowers Director (803) 758-2396		
Geological Survey Harbison Forest Road Norman K. Olson Chief (803)758-6431	o Proprietary section 26(d)(2)(e) review of ongoing geological surveys and geophysical analyses o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) **NOTE:** The following responsibility is directly related to the Federal leasing process: o Participate in State OCS Advisory Committee	
DEPARTMENT OF ARCHIVES AND HISTORY 1430 Senate Street P.O. Box 11669 Capitol Station Columbia, SC 29211 Charles E. Lee Director (803) 758-5816		
Historic Preservation, Protection, and Planning Langdon Edmunds Division Head (803) 758-5816	o Coordinate historical preservation survey and register o Designate archeologic and historic sites	
DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL 2600 Bull Street Marion Sims Building Columbia, SC 29201 Robert S. Jackson Commissioner (803) 758-5443		
Bureau of Air Quality Control Otto E. Pearson Chief (803) 758-5406	o Issue permits: air quality	

TABLE 17.—SOUTH CAROLINA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
Bureau of Solid Waste and Hazardous Materials Management Robert E. Malpass Chief (803) 758-5681	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal o Implement Oil and Gas Act of 1976 (Part II)	
Bureau of Water Pollution Control Robert Gross Chief (803) 758-3877	o Issue permits: NPDES; water quality certificate; wastewater treatment facilities o Implement Oil and Gas Act of 1976 (Part II)	
Division of Water Supply George P. Nelson Chief (803) 758-5544	o Issue permits: water use	
DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION 955 Park Street P.O. Box 191 Columbia, SC 29202		
Walker P. Ragin Chief Commissioner (803) 758-2717	o Advise on transportation planning facilities	
GOVERNOR'S OFFICE P.O. Box 11450 Columbia, SC 29211		
Richard W. Riley Governor (803) 758-3208		
Division of Natural Resources and the Environment Edgar Brown Building Suite 306 1205 Pendleton Street Columbia, SC 29201 Patricia L. Jerman Director (803) 758-8808	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in OCS Policy Committee o Participate in Regional Technical Working Group o Nonproprietary comment on geological surveys and geophysical analyses (ongoing) o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 5. Proposed notice of lease sale o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 3. Draft environmental impact statement 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Coastal Energy Impact Program Michael Rowe Manager (803) 758-8808	o Manage CEIP	
State OCS Advisory Committee Patricia L. Jerman Chairperson (803) 758-8808	o Represent State agencies and regional council of governments **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Advise on RTWG regional environmental studies program (ongoing) o Comment on MMS's OCS Oil and Gas Information Program (ongoing) o Comment on proposed oil-and-gas leasing schedule	

TABLE 17.—SOUTH CAROLINA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
	o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
Division of Energy Resources Suite 411 1205 Pendleton Street Columbia, SC 29201 John Clark Director (803) 758-7874		
A-95 Clearinghouse Elmer C. Whitten State Budget Analyst (803) 758-2407	o Receive and distribute EIS and related materials	
LAND RESOURCES CONSERVATION COMMISSION 2221 Devine Street Suite 222 Columbia, SC 29205 John W. Parris Executive Director (803) 758-2823		
Dam and Reservoir Safety Program George Balentine Director (803) 758-2823	o Issue permits: water impoundment	
SOUTH CAROLINA COASTAL COUNCIL 19 Hagood Avenue Suite 802 Charleston, SC 29403		
Wayne Beam Executive Director (803) 758-8442	o Administer Coastal Zone Management Program - approved September 1979 o Designate "areas of particular concern" o Issue permits: activities in "critical areas"; tidelands o Certify permits: activities outside "critical areas" **NOTE:** The following responsibilities are directly related to the Federal leasing process: o Nonproprietary consistency certification and concurrence on permit applications for ongoing geological surveys and geophysical analyses o Comment on proposed OCS oil-and-gas leasing schedule o Comment on geology reports o Comment on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale o Consistency certification and concurrence on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	

TABLE 17.—SOUTH CAROLINA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
STATE PORTS AUTHORITY		
176 Concord Street P.O. Box 817 Charleston, SC 29402		
W. Don Welch Executive Director (803) 723-8600	o Develop and operate ports	
WATER RESOURCES COMMISSION		
3830 Forest Drive P.O. Box 4940 Columbia, SC 29240		
Alfred H. Vang Executive Director (803) 758-2514	o Issue permits: groundwater use in capacity-use areas o Review permits issued by Budget and Control Board o Implement South Carolina Scenic Rivers Act o Implement Oil and Gas Act of 1976 (Part I)	

TABLE 18.—VIRGINIA: State responsibilities related to OCS oil and gas activities

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
AIR POLLUTION CONTROL BOARD 801 Ninth Street Office Building Richmond, VA 23219 William R. Meyer Executive Director (804) 786-6035	o Issue permits: air quality	
COUNCIL ON THE ENVIRONMENT 903 Ninth Street Office Building Richmond, VA 23219 Sheila N. Prindiville Administrator (804) 786-4500 **OCS Coordinator** J.B. Jackson, Jr. (804) 786-4500	**NOTE:** The following responsibilities are directly related to the Federal leasing process: o Participate in Regional Technical Working Group o Participate in OCS Policy Committee o Nonproprietary comment on geological and geophysical analysis (ongoing) o Proprietary section 36(d)(2)(e) review of ongoing geological and geophysical analysis o Advise on RTWG regional environmental studies (ongoing) o Comment and distribute information on MMS's OCS Oil and Gas Information Program (ongoing) o Comment, distribute, and coordinate response on proposed OCS oil-and-gas leasing schedule o Comment, distribute, and coordinate response on geology reports o Comment, distribute, and coordinate response on the following steps in the OCS leasing process (step numbers correspond to chapter 3): 1. Call for information 3. Draft environmental impact statement 5. Proposed notice of lease sale 8. Exploration plan and environmental report 11. Development and production plan and environmental report 14. Pipelines	
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT 1100 Washington Building Richmond, VA 23219 Fred W. Walker Director (804) 786-2121 **Division of Mineral Resources** P.O. Box 3667 Charlottesville, VA 22903 Robert C. Milici Commissioner (804) 293-5121	o Nonproprietary comment on geological and geophysical analysis (ongoing)	
DEPARTMENT OF PLANNING AND BUDGET P.O. Box 1475 Richmond, VA 23212 Stuart W. Connock Director (804) 786-1148 **Intergovernmental Review Officer** P.O. Box 1422 Richmond, VA 23211 Robert Kirby (804) 786-1921	o Point of contact for Federal-State agency activities; coordinates with Council on the Environment for matters related to OCS oil and gas activities	

TABLE 18.—VIRGINIA: State responsibilities related to OCS oil and gas activities—Continued

STATE AGENCY	RESPONSIBILITIES	OTHER CONTACTS AND NOTES
GOVERNOR'S OFFICE 3rd Floor Capitol Building Richmond, VA 23219 Charles S. Robb Governor (804) 786-2211		
MARINE RESOURCES COMMISSION 2401 West Avenue P.O. Box 756 Newport News, VA 23607 William A. Pruitt Chairperson (804) 247-2200	o Issue permits: dredge and fill operations; land use of State wetlands	
SOIL AND WATER CONSERVATION COMMISSION Suite 206 203 Governor Street Richmond, VA 23219 B. C. Leynes Director (804) 786-2064	o Approve erosion and sediment control plans	
WATER CONTROL BOARD 2111 N. Hamilton Street P.O. Box 11143 Richmond, VA 23230 Richard N. Burton Executive Director (804) 257-6384	o Issue permits: NPDES; dredge and fill; groundwater withdrawal	
DEPARTMENT OF HEALTH 109 Governor Street 400 Madison Building Richmond, VA 23219 Dr. James B. Kenley Commissioner (804) 786-3561 **Division of Solid and Hazardous Waste** 101 N. 14th Street Monroe Building, 11th Floor William F. Gilley Director (804) 225-2667	o Issue permits: solid waste handling and disposal; hazardous waste handling and disposal	

Appendix C. Federal Depository Libraries

Under provisions of title 44 of the United States Code, certain libraries are designated depositories for Government publications. Through them, Federal Government documents are made available to residents of every State, the District of Columbia, Guam, Puerto Rico, and the Virgin Islands. Distribution to the libraries is made by the Office of the Superintendent of Documents. A list of the libraries that have received lease sale EISs from the MMS Atlantic OCS Regional Office is published in the **Federal Register** in the notice of availability for the EISs. In addition, the following Federal depository libraries have received lease sale EISs for the Atlantic area or can be contacted for assistance in obtaining the documents for review.

Connecticut

New Haven:

Southern Connecticut State College
Hilton C. Buley Library
501 Crescent Street
New Haven, CT 06515
(203) 397-4501

New London:

Connecticut College Library
Reference Department
New London, CT 06320
(203) 447-7622

Delaware

Dover:

Delaware State College
William C. Jason Library
Dover, DE 19901
(302) 736-5393

Wilmington:

New Castle County Library
Public Building
Wilmington, DE 19801
(302) 571-2437

Florida

Daytona Beach:
Volusia County Library Center
City Island
Daytona Beach, FL 32014
(904) 255-3765

Jacksonville:
Haydon Burns Library
122 N. Ocean Street
Jacksonville, FL 32202
(904) 633-3926

Georgia

Brunswick:
Brunswick-Glynn County Regional Library
208 Gloucester Street
Brunswick, GA 31523
(912) 264-7360

Savannah:
Chatham-Effingham-Liberty Regional Library
2002 Bull Street
Savannah, GA 31408
(912) 234-5127

Maine

Brunswick:
Bowdoin College Library
Documents Department
Brunswick, ME 04011
(207) 725-8731, ext. 298

Portland:
Portland Public Library
5 Monument Square
Portland, ME 04101
(207) 773-4761, ext. 115

Maryland

Baltimore:
Enoch Pratt Free Library
Documents Department
400 Cathedral Street
Baltimore, MD 21201
(301) 396-5426

Salisbury:
Salisbury State College
Blackwell Library
Salisbury, MD 21801
(301) 546-3261, ext. 352

Massachusetts

Boston:
Boston Public Library
Regional Depository
Documents Receipts
Boston, MA 02117
(617) 536-5400, ext. 226

New Bedford:
New Bedford Free Public Library
613 Pleasant Street
New Bedford, MA 02740
(617) 999-6291, ext. 24

New Hampshire

Concord:
New Hampshire State Library
20 Park Street
Concord, NH 03301
(603) 271-2316

Durham:
University of New Hampshire Library
Durham, NH 03824
(603) 862-1777

New Jersey

Newark:
Newark Public Library
Regional Depository
U.S. Documents Division
5 Washington Street
Newark, NJ 07101
(201) 733-7812

West Long Branch:
Monmouth College
Guggenheim Memorial Library
W. Long Branch, NJ 07764
(201) 222-6600, ext. 251

New York

New York:
New York Public Library
476 Fifth Avenue
New York, NY 10018
(212) 930-0586

Uniondale:
Nassau Library System
900 Jerusalem Avenue
Uniondale, NY 11553
(516) 292-8920, ext. 260

North Carolina

Wilmington:

University of North Carolina at Wilmington
William M. Randall Library
P.O. Box 3725
Wilmington, NC 28406
(919) 791-4330, ext. 2760

Pennsylvania

Philadelphia:

Free Library of Philadelphia
Government Publications Department
1901 Vine Street
Philadelphia, PA 19103
(215) 686-5329

Swarthmore:

Swarthmore College Library
Documents Department
Swarthmore, PA 19081
(215) 447-7490

Rhode Island

Kingston:

University of Rhode Island Library
Government Publications Office
Kingston, RI 02881
(401) 792-2606

Providence:

Providence Public Library
150 Empire Street
Providence, RI 02903
(401) 521-7722, ext. 205

South Carolina

Charleston:

The College of Charleston
Robert Scott Small Library
Collection Development Department
Charleston, SC 29424
(803) 792-5530

Virginia

Norfolk:

Norfolk Public Library
301 E. City Hall Avenue
Norfolk, VA 23510
(804) 441-2579

Reston:

U.S. Department of the Interior
Geological Survey
National Center Library
Mail Stop 950
12201 Sunrise Valley Drive
Reston, VA 22092
(703) 860-6614

Appendix D. Additional OCS-Related Information

OCS ORDERS

Outer Continental Shelf Orders are issued by MMS for each region (Gulf of Mexico, Pacific, Alaska, and Atlantic). These orders govern oil and gas operations and specify procedures and practices that must be followed during exploration, development, and production activities. Outer Continental Shelf Orders were most recently published in January 1980, with revisions issued in August 1980. Outer Continental Shelf Orders for all regions currently are being consolidated and rewritten and will reappear in the future as regulations. Copies of the Atlantic OCS Orders are available from the Regional Manager, Minerals Management Service, Atlantic OCS Region, 1951 Kidwell Drive, Suite 601, Vienna, VA 22180.

Nine OCS Orders have been issued for leases in the Atlantic OCS Region. Three orders are under development or consideration, and the title and content of one other order are reserved. The Atlantic OCS Orders are as follows:

- Order No. 1 - Identification of wells, platforms, structures, mobile drilling units, and subsea objects. (For information on revision of paragraph 5 of OCS Order No. 1, see 49 F.R. 1897-1900, January 16, 1984.)
- Order No. 2 - Drilling operations: includes specifications for plans and applications; drilling from fixed platforms and mobile drilling units; well casing and cementing; directional surveys; blowout-preventer equipment; mud program; supervision, surveillance, and training; hydrogen sulfide; critical operations and curtailment plans; field drilling rules; and departures.
- Order No. 3 - Plugging and abandonment of wells.
- Order No. 4 - Determination of well producibility.
- Order No. 5 - Production safety systems: includes pollution-control requirements. (For information on the latest editions of quality assurance standards in paragraph 2 of OCS Order No. 5, see 47 F.R. 32489, July 27, 1982.)
- Order No. 6 - Procedure for completion of oil and gas wells (under development).
- Order No. 7 - Pollution prevention and control.
- Order No. 8 - Platform and structure design and installation.
- Order No. 9 - Approval procedure for oil and gas pipelines (under development).
- Order No. 10 - (title and content reserved).
- Order No. 11 - Oil and gas production rates, prevention of waste, and protection of correlative rights (under development).

- Order No. 12 - Public inspection of records (under development).
- Order No. 13 - Production measurement and commingling (under consideration).

OCS STATISTICAL SUMMARY

The OCS Statistical Summary currently is being revised by the MMS Gulf of Mexico Regional Office. The four volumes previously published by the Bureau of Land Management are out of print and are no longer being distributed. The following revised volumes are available now at cost from the Public Records Office at the address listed below: 1954-60, 1961-65, 1966-68, 1969-72, 1973, 1974, 1975, 1976, 1977, and 1978. Each volume includes a brief summary of selected data on the various regions' lease sales or offerings held in the calendar year(s) covered by that particular volume. Information is presented by lease sale or offering and includes such data as sale date and type, bid type, and total number of tracts and acreage offered, bid upon, and leased. Monetary data include total bonus accepted and average per acre, total number of tracts receiving bids and total amount of all bids received, highest bid per acre, and total of first year rentals. Important dates and **Federal Register** notices pertinent to each sale or lease offering and some lease specifications also are given. The Statistical Summary also contains a bid recap, which lists all tracts receiving bids, the OCS lease numbers assigned to these tracts, the amount of each bid received, and participating companies with percentage of interest. High bids rejected because of insufficiency also are identified.

Copies of any volume of the OCS Statistical Summary are available at cost from the Gulf of Mexico Regional Office, Minerals Management Service, P.O. Box 7944, 3301 N. Causeway Boulevard, Metairie, LA 70010. Individual copies of bid recaps for a particular lease sale are available at cost from the appropriate MMS regional office for a period of time following the lease sale.

MINERALS MANAGEMENT SERVICE OCS STANDARDS

The Minerals Management Service has issued two standards for oil and gas operations on offshore leases. These standards, which are compilations of specifications for certain offshore oil and gas activities and uniformly applicable to all Federal offshore regions, are incorporated into the OCS Orders. Standards issued are as follows:

- safety requirements for drilling operations in a hydrogen sulfide environment (MMSS-OCS-1); and
- training and qualifications of personnel in well-control equipment and techniques for drilling on offshore locations (MMSS-OCS-T1, 2nd ed.).

Operating procedures include

- operating procedures for OCS Platform Verification Program (October 1979);
- requirements for verifying the structural integrity of OCS platforms (October 1979);
- appendixes to requirements for verifying the structural integrity of OCS platforms (October 1979); and
- commentary on requirements for verifying the structural integrity of OCS platforms (October 1979).

For more information on MMS standards or other operating procedures, contact the MMS Atlantic Regional Office noted on the inside front cover of this Index.

REPRODUCTION OF FEDERAL DOCUMENTS

Regulations concerning the availability to the public of DOI documents are contained in title 43, Code of Federal Regulations (CFR), part 2. Subpart A of 43 CFR 2 concerns the availability of opinions issued in the adjudication of cases and of administrative manuals. Copies of final decisions and orders issued in appeals from DOI decisions relating to the use and disposition of offshore lands and mineral resources are available for inspection and copying in DOI's Office of Hearings and Appeals. For further information, contact the Director's Office, Office of Hearings and Appeals, U.S. Department of the Interior, 4015 Wilson Boulevard, Arlington, VA 22203; telephone: (703) 235-3810.

Subpart B of 43 CFR 2 defines DOI procedures for Freedom of Information Act (5 U.S.C. 552) requests. The procedures in this subpart are not applicable to requests for records published in the **Federal Register** or made available under subpart A.

Glossary

Definitions presented in the glossary describe terms as they have been used in the index series. The glossary is intended for general reference only: for detailed descriptions of technical or specialized terms, the reader should seek a reference in the field of particular interest.

Sources used in compiling this glossary were the Gulf of Mexico, Mid-Atlantic, South Atlantic, Pacific, Gulf of Alaska, and Gulf of Mexico Summary Reports; the Atlantic, Pacific, Gulf of Mexico, and Alaska Indexes; the NERBC-RALI Factbook; Webster's Third New International Dictionary; the American Geological Institute's Dictionary of Geological Terms; and Langenkamp's Handbook of Oil Industry Terms and Phrases (2d ed.).

Acidizing - A technique for increasing the flow of oil from a well by pumping acid downhole and into the rock formation. Hydrochloric acid is pumped or forced under high pressure into a limestone formation to dissolve the limestone and enlarge the cavity.

Block - An administrative geographical area, as portrayed on an official MMS protraction diagram or leasing map, that contains approximately 9 square miles (5,693 acres).

Continental Offshore Stratigraphic Test (COST) well - A well drilled to gather information about the stratigraphic formation present, the general character of the rocks, their porosity, and their permeability.

Continental Shelf - A broad, gently sloping, shallow feature extending from the shore to the Continental Slope.

Continental Slope - A relatively steep, narrow feature paralleling the Continental Shelf; the region in which the steepest descent to the ocean bottom occurs.

Critical operations and curtailment plan - A plan for possible offshore emergencies prepared and submitted by the oil/gas operator to the applicable District Supervisor. Atlantic OCS Order No. 2 specifies the requirements of this plan.

Deep Stratigraphic Test (DST) well - An official regulatory term referring to a COST well (see **Continental Offshore Stratigraphic Test well**).

Development - Activities that take place following exploration for and discovery and delineation of minerals in commercially recoverable quantities (including but not limited to geophysical activity, drilling, platform construction, and operation of all directly related onshore support facilities) and that are for the purpose of ultimately producing the minerals discovered.

Development and production plan - A plan describing the specific work to be performed, including all development and production activities that the lessee(s) propose(s) to undertake during the time period covered by the plan and all actions to be undertaken up to and includ-

ing the commencement of sustained production. The plan also includes descriptions of facilities and operations to be used, well locations, current geological and geophysical information, environmental safeguards, safety standards and features, time schedules, an oil-spill contingency plan, and other relevant information. Under 30 CFR 250.34-2, all lease operators are required to formulate and obtain approval of such plans by the Director of the Minerals Management Service before development and production activities may commence.

Environmental analysis - A broad category of environmental reviews or documents required under the National Environmental Policy Act of 1969 (NEPA). If an initial environmental analysis warrants further study the investigation may proceed to more formal environmental assessment and, from there, to an environmental impact statement (EIS) or a finding of no significant impact (FONSI).

Environmental assessment - A concise public document required by the National Environmental Policy Act of 1969 for which a Federal agency is responsible that provides evidence and analysis for determining whether to prepare an environmental impact statement or a finding of no significant impact.

Environmental impact statement - A document required by the National Environmental Policy Act of 1969 or similar State law in relation to any action significantly affecting the environment.

Finding of no significant impact - When the results of an environmental assessment indicate that there will be no significant impact from the proposed activity, a FONSI is issued, and no EIS is required.

Exploration - The process of searching for minerals. Exploration activities include (1) geophysical surveys where magnetic, gravity, seismic, or other systems are used to detect or infer the geologic conditions conducive to the accumulation of such minerals, and (2) any drilling, except development drilling, whether or not within known producing areas. Exploration also includes the drilling of a well in which a discovery of oil or natural gas in paying quantities is made and the drilling of any additional well, after such a discovery that is needed to delineate a reservoir and to enable the lessee to determine whether to proceed with development and production.

Exploration plan - A plan based on all available relevant information about a leased area that identifies, to the maximum extent possible, all the potential hydrocarbon accumulations and wells that the lessee(s) propose(s) to drill to evaluate the accumulations within the entire area of the lease(s) covered by the plan. An exploration plan includes an oil-spill contingency plan and geohazards and shallow hazards assessment. Under 30 CFR 250.34-1, all lease operators are required to formulate and obtain approval of such plans by the Director of MMS before exploration activities may commence.

Federal Register (F.R.) - A daily publication (Monday through Friday) distributed by the Superintendent of Documents, U.S. Government Printing Office, that provides a uniform system for making available to the public regulations and legal notices issued by Federal agencies.

Finding of No Significant Impact (FONSI) - See **Environmental analysis.**

Fracture treatment - A stimulation procedure using fluids and propping agents in an

attempt to create new fractures or enlarge existing ones. The resulting permeability increase may enhance flow rates.

Geographic mile - See **Nautical mile.**

Geologic hazard - A feature or condition that, if unmitigated, may seriously jeopardize offshore oil and gas exploration and development activities. Mitigation may necessitate special engineering procedures or relocation of a well.

Geology report - A document prepared by MMS regional offices that includes information on regional geology, petroleum geology, environmental geology, and geohazards.

Geophysical - Of or relating to the physics of the Earth, especially the measurement and interpretation of geophysical properties of the formations in an area.

Geophysical survey - The exploration of an area in which geophysical properties and relationships unique to the area are measured by one or more geophysical methods.

Hydrocarbon - Any of a large class of organic compounds containing primarily carbon and hydrogen, comprising paraffins, olefins, members of the acetylene series, alicyclic hydrocarbons, and aromatic hydrocarbons; occurring in petroleum, natural gas, coal, and bitumens.

Information area - The geographical area covered by the call for information of an offshore oil-and-gas lease sale.

Lease - A contract authorizing exploration for and development and production of minerals; the land covered by such a contract.

Lease offering - See **Lease sale.**

Lease sale - The public opening of competitive sealed bids offered by companies or individuals for the right to explore for and develop certain minerals within a defined period of time.

Lease term - For oil and gas leases, a period of either 5 years or up to and not to exceed 10 years (the longer leases are awarded when necessary to encourage exploration and development in areas where water is unusually deep or other unusually adverse conditions exist).

Nautical mile - An international unit equal to 6,076.115 feet, or 1,852 meters.

Oil-spill contingency plan - A plan submitted by the oil/gas lessee along with or prior to a submission of a plan of exploration or a plan of development/production that details provisions for fully defined, specific actions to be taken following discovery and announcement of an oil spill. Atlantic OCS Order No. 7 specifies the requirements of this plan.

Outer Continental Shelf (OCS) - All submerged lands that comprise the Continental Margin adjacent to the United States and seaward of State offshore lands (refer to OCS Lands Act). The OCS has been subject to Federal jurisdiction and control since enactment of the Submerged Lands Act of 1953 (43 U.S.C. 1301 and 1302).

Plug - Filling a well's bore hole with cement or other impervious material to prevent the flow of water, gas, oil, or other minerals (e.g., liquefied sulfur) from one strata to another when a well is abandoned.

Plug back - Filling up the lower section of the well bore to produce from a formation higher up. If the well has been cased, the casing is plugged back with cement to a likely formation and then perforated.

Proprietary data - Engineering, production, geologic, and geophysical data and immediate derivatives thereof that cannot be released to the general public because of restrictions imposed by contracts, Federal regulations, or statutes.

Resource report - A document once prepared by MMS regional offices that contained all the information now included in the geology report, along with estimates of undiscovered recoverable crude oil and natural gas resources. See **Geology report.**

Statute mile - A unit equal to 5,280 feet, or about 1,609 meters.

Summary report - Document prepared by the Department of the Interior pursuant to 30 CFR 252.4 that is intended to inform affected State and local governments as to current OCS resource and reserve estimates, projections of magnitude and timing of development, transportation planning, and general location and nature of nearshore and onshore facilities.

Tract - An areal unit usually consisting of a single block from an official protraction diagram. Groups of tracts, having sale-specific numbers, were selected and offered for lease prior to implementation of areawide leasing. (See also **Block.**)

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* U.S. GOVERNMENT PRINTING OFFICE: 1984-421-871:701